

**PAGE:****1. My placement in calculus was determined by (Mark all that apply):**

	<b>Response Percent</b>	<b>Response Count</b>
<b>My ACT or SAT score</b>	23.8%	2,891
<b>My score on a placement exam</b>	41.6%	5,067
<b>My successful completion of prerequisite courses</b>	<b>46.5%</b>	<b>5,657</b>
<b>My AP exam score</b>	13.8%	1,677
<b>Don't know</b>	10.7%	1,301
	<b>answered question</b>	<b>12,171</b>
	<b>skipped question</b>	<b>51</b>

**2. Did you take the SAT exam?**

	<b>Response Percent</b>	<b>Response Count</b>
<b>Yes</b>	<b>62.4%</b>	<b>7,603</b>
<b>No</b>	37.6%	4,575
	<b>answered question</b>	<b>12,178</b>
	<b>skipped question</b>	<b>44</b>

**3. My SAT scores were:**

	<b>Response Percent</b>	<b>Response Count</b>
	<b>answered question</b>	<b>6,701</b>
	<b>skipped question</b>	<b>5,521</b>

**3. My SAT scores were:**

<b>SAT critical reading</b>	99.3%	6,653
<b>SAT mathematics</b>	100.0%	6,699
	<b>answered question</b>	<b>6,701</b>
	<b>skipped question</b>	<b>5,521</b>

**PAGE:**

**4. Did you take the SAT Subject Test in mathematics?**

	<b>Response Percent</b>	<b>Response Count</b>
<b>Yes</b>	24.5%	2,929
<b>No</b>	75.5%	9,010
	<b>answered question</b>	<b>11,939</b>
	<b>skipped question</b>	<b>283</b>

**5. What was your score on the:**

	<b>Response Percent</b>	<b>Response Count</b>
<b>SAT Subject Test, Mathematics Level 1</b>	53.3%	1,320
<b>SAT Subject Test, Mathematics Level 2</b>	73.9%	1,831
	<b>answered question</b>	<b>2,478</b>
	<b>skipped question</b>	<b>9,744</b>

**PAGE:**

**6. Did you take the ACT exam?**

	<b>Response Percent</b>	<b>Response Count</b>
<b>Yes</b>	<b>62.5%</b>	<b>7,418</b>
<b>No</b>	<b>37.5%</b>	<b>4,445</b>
	<b>answered question</b>	<b>11,863</b>
	<b>skipped question</b>	<b>359</b>

**7. My ACT scores were:**

	<b>Response Percent</b>	<b>Response Count</b>
<b>Composite score</b>	<b>99.7%</b>	<b>6,940</b>
<b>Mathematics score</b>	<b>89.8%</b>	<b>6,248</b>
	<b>answered question</b>	<b>6,958</b>
	<b>skipped question</b>	<b>5,264</b>

**PAGE:**

**8. My mathematics courses in high school have prepared me to:**

	<b>Strongly Disagree</b>	<b>Disagree</b>	<b>Slightly Disagree</b>	<b>Slightly Agree</b>	<b>Agree</b>	<b>Strongly Agree</b>	<b>Response Count</b>
<b>complete calculations without a calculator</b>	5.0% (584)	8.5% (982)	9.3% (1,079)	18.8% (2,181)	<b>34.9%</b> <b>(4,041)</b>	23.4% (2,716)	11,583
<b>solve word problems</b>	1.7% (200)	3.3% (377)	5.7% (660)	21.5% (2,480)	<b>45.3%</b> <b>(5,232)</b>	22.5% (2,602)	11,551
						<b>answered question</b>	<b>11,590</b>
						<b>skipped question</b>	<b>632</b>

**8. My mathematics courses in high school have prepared me to:**

<b>factor expressions</b>	1.2% (142)	1.5% (169)	2.7% (311)	11.1% (1,281)	41.3% (4,759)	<b>42.3%</b> <b>(4,874)</b>	11,536
<b>solve equations</b>	0.9% (102)	0.7% (79)	1.1% (127)	6.3% (726)	40.5% (4,679)	<b>50.6%</b> <b>(5,852)</b>	11,565
<b>solve inequalities</b>	1.2% (139)	1.4% (160)	3.4% (394)	14.4% (1,664)	<b>43.6%</b> <b>(5,024)</b>	36.0% (4,150)	11,531
<b>answered question</b>							<b>11,590</b>
<b>skipped question</b>							<b>632</b>

**9. The teacher of my last mathematics course in high school:**

	<b>Strongly Disagree</b>	<b>Disagree</b>	<b>Slightly Disagree</b>	<b>Slightly Agree</b>	<b>Agree</b>	<b>Strongly Agree</b>	<b>Response Count</b>
<b>lectured most of the time</b>	3.7% (427)	12.1% (1,394)	14.5% (1,677)	28.3% (3,270)	<b>29.3%</b> <b>(3,383)</b>	12.1% (1,401)	11,552
<b>primarily showed us how to get answers to specific questions</b>	3.5% (408)	12.0% (1,385)	15.1% (1,734)	28.3% (3,263)	<b>29.8%</b> <b>(3,431)</b>	11.2% (1,291)	11,512
<b>frequently had us work in groups</b>	12.2% (1,406)	20.7% (2,379)	16.7% (1,922)	<b>22.7%</b> <b>(2,608)</b>	19.5% (2,239)	8.2% (945)	11,499
<b>frequently had us solve challenging problems</b>	2.4% (277)	4.1% (476)	7.2% (827)	19.5% (2,247)	<b>39.0%</b> <b>(4,488)</b>	27.8% (3,204)	11,519
<b>cared that I was successful in the course</b>	3.2% (365)	3.7% (423)	5.1% (592)	13.4% (1,539)	30.0% (3,456)	<b>44.7%</b> <b>(5,152)</b>	11,527
<b>answered question</b>							<b>11,572</b>
<b>skipped question</b>							<b>650</b>

**10. Please select the most appropriate answer:**

<b>answered question</b>	<b>11,592</b>
<b>skipped question</b>	<b>630</b>

10. Please select the most appropriate answer:

	Strongly Disagree	Disagree	Slightly Disagree	Slightly Agree	Agree	Strongly Agree	Response Count
I am comfortable in using a graphing calculator	2.4% (282)	3.0% (348)	3.2% (372)	11.5% (1,324)	38.9% (4,485)	<b>41.0%</b> <b>(4,730)</b>	11,541
I am comfortable in using a computer algebra system (e.g., Maple, MATLAB)	27.7% (3,185)	<b>29.2%</b> <b>(3,357)</b>	15.6% (1,792)	14.8% (1,699)	7.9% (912)	4.9% (559)	11,504
<b>answered question</b>							<b>11,592</b>
<b>skipped question</b>							<b>630</b>

PAGE:

11. My high school mathematics teachers used an electronic response system (such as clickers) to poll students during class

	Response Percent	Response Count
Yes	6.8%	785
No	<b>93.2%</b>	<b>10,736</b>
<b>answered question</b>		<b>11,521</b>
<b>skipped question</b>		<b>701</b>

12. In high school I was allowed to use graphing calculators on exams

	Response Percent	Response Count
Always	32.2%	3,709
Sometimes	<b>57.7%</b>	<b>6,650</b>
<b>answered question</b>		<b>11,531</b>
<b>skipped question</b>		<b>691</b>

**12. In high school I was allowed to use graphing calculators on exams**

<b>Never</b>	10.2%	1,172
<b>answered question</b>		<b>11,531</b>
<b>skipped question</b>		<b>691</b>

**13. In high school I was allowed to use calculators that performed symbolic operations on exams (e.g., TI-89, TI-92)**

	<b>Response Percent</b>	<b>Response Count</b>
<b>Yes</b>	32.1%	3,699
<b>No</b>	<b>43.3%</b>	<b>4,987</b>
<b>Sometimes</b>	24.6%	2,829
<b>answered question</b>		<b>11,515</b>
<b>skipped question</b>		<b>707</b>

---

**PAGE:**

**14. Which of the following calculus courses were offered at your high school? (Mark all that apply)**

	<b>Response Percent</b>	<b>Response Count</b>
<b>Calculus (Non AP)</b>	51.5%	5,566
<b>AP Calculus AB</b>	<b>78.0%</b>	<b>8,421</b>
<b>AP Calculus BC</b>	47.8%	5,159
<b>International Baccalaureate (IB) Calculus</b>	8.0%	867
<b>Online calculus course</b>	5.3%	573
<b>answered question</b>		<b>10,799</b>
<b>skipped question</b>		<b>1,423</b>

14. Which of the following calculus courses were offered at your high school? *(Mark all that apply)*

Calculus course taught at my high school for which students also received two-year college credit	5.9%	632
Calculus course taught at a two-year college for which students also received high school credit	8.0%	868
Calculus course taught at my high school for which students also received four-year college or university credit	7.5%	808
Calculus course taught at a four-year college or university for which students also received high school credit	5.5%	590
	<b>answered question</b>	<b>10,799</b>
	<b>skipped question</b>	<b>1,423</b>

15. For each (Non-AP) mathematics course listed below that you took in high school, please indicate the course level grade *(If you did not take a particular course, leave that row blank)*

Course Level	
Geometry	50.
Algebra II	47.
Integrated Math	6
Pre-Calculus	45.

15. For each (Non-AP) mathematics course listed below that you took in high school, please indicate the course level grade (If you did not take a particular course, leave that row blank)

<b>Trigonometry</b>		<b>52.</b>
<b>Statistics (Non AP)</b>		<b>6</b>
<b>Calculus (Non AP)</b>		<b>51.</b>
<b>Other course taken senior year</b>		<b>3</b>
<b>Grade Level in High School</b>		
		<b>8</b>
<b>Geometry</b>	11.2% (1,135)	<b>54.4</b>
<b>Algebra II</b>	3.6% (359)	23.0
<b>Integrated Math</b>	14.4% (222)	27.2
<b>Pre-Calculus</b>	0.4% (38)	
<b>Trigonometry</b>	0.7% (36)	5.5
<b>Statistics (Non AP)</b>	0.7% (8)	
<b>Calculus (Non AP)</b>	0.2% (5)	
<b>Other course taken senior year</b>	0.3% (3)	

**Final Grade**



15. For each (Non-AP) mathematics course listed below that you took in high school, please indicate the course level grade (If you did not take a particular course, leave that row blank)

	A+	A	A-	B+	B	B-	C+	C	C-
<b>Geometry</b>	21.2% (2,115)	<b>40.5%</b> <b>(4,039)</b>	10.7% (1,071)	11.3% (1,125)	10.2% (1,012)	1.9% (194)	1.7% (168)	1.7% (170)	0.3% (32)
<b>Algebra II</b>	19.9% (1,974)	<b>41.0%</b> <b>(4,075)</b>	12.0% (1,196)	10.4% (1,035)	10.0% (991)	2.3% (225)	1.9% (188)	1.7% (172)	0.3% (29)
<b>Integrated Math</b>	20.3% (315)	<b>46.1%</b> <b>(717)</b>	10.7% (167)	8.4% (131)	8.6% (134)	1.5% (24)	1.8% (28)	1.4% (21)	0.4% (6)
<b>Pre-Calculus</b>	16.3% (1,413)	<b>38.2%</b> <b>(3,314)</b>	12.6% (1,090)	12.4% (1,079)	12.0% (1,046)	2.8% (244)	2.3% (199)	2.3% (204)	0.3% (29)
<b>Trigonometry</b>	17.6% (900)	<b>40.6%</b> <b>(2,079)</b>	12.5% (642)	11.1% (567)	10.7% (551)	2.7% (138)	1.6% (84)	2.2% (111)	0.3% (14)
<b>Statistics (Non AP)</b>	23.5% (262)	<b>38.4%</b> <b>(428)</b>	11.8% (131)	10.3% (115)	8.8% (98)	2.5% (28)	1.3% (15)	2.0% (22)	0.2% (2)
<b>Calculus (Non AP)</b>	18.8% (445)	<b>35.6%</b> <b>(844)</b>	12.2% (289)	10.7% (254)	12.0% (285)	3.6% (86)	2.1% (50)	2.6% (62)	0.5% (13)
<b>Other course taken senior year</b>	21.3% (233)	<b>38.6%</b> <b>(422)</b>	12.6% (138)	10.2% (111)	9.2% (101)	2.0% (22)	2.5% (27)	2.3% (25)	0.2% (2)

16. Did you take any AP Calculus or AP Statistics in high school?

	Response Percent	Response Count
<b>Yes</b>	48.8%	5,492
<b>No</b>	<b>49.7%</b>	<b>5,600</b>
<b>I don't know</b>	1.5%	173

**answered question 11,265**

**skipped question 957**

**PAGE:**

17. For each of the following AP course that you took in high school, please indicate the score you earned on the exam, what grade you earned in the course, and the gender of the teacher

**AP Exam Score  
(if taken)**

	1	2	3
Calculus AB	19.3% (642)	20.9% (696)	32.3%
Calculus BC	21.5% (145)	20.9% (141)	32.3%
AP Statistics	5.2% (63)	13.8% (169)	29.6%

**Grade Level in  
High School**

	9	10
Calculus AB	0.1% (3)	0.9%
Calculus BC	0.2% (2)	0.7%
AP Statistics	0.1% (2)	4.1%

**Final Grade**

	A+	A	A-	B+	B	B-	C+	C	C-	D
Calculus AB	13.9% (567)	<b>32.9%</b> <b>(1,339)</b>	13.4% (545)	11.7% (478)	14.9% (607)	4.5% (185)	3.3% (134)	3.3% (133)	0.7% (27)	0.4% (15)
Calculus BC	11.4% (97)	<b>33.3%</b> <b>(283)</b>	12.7% (108)	12.4% (105)	14.5% (123)	5.3% (45)	2.7% (23)	4.6% (39)	1.1% (9)	0.6% (5)

17. For each of the following AP course that you took in high school, please indicate the score you earned on the exam, what grade you earned in the course, and the gender of the teacher

<b>AP Statistics</b>	17.2% (249)	<b>38.7%</b> <b>(561)</b>	12.7% (184)	11.9% (173)	12.1% (175)	3.2% (46)	1.0% (15)	2.1% (30)	0.4% (6)	0.1%
----------------------	----------------	------------------------------	----------------	----------------	----------------	--------------	--------------	--------------	-------------	------

**Gender of Teacher**

**Calculus AB**

**Calculus BC**

**AP Statistics**

**PAGE:**

18. Did you take a calculus course in COLLEGE prior to this one?

	<b>Response Percent</b>	<b>Response Count</b>
<b>Yes</b>	11.2%	1,257
<b>No</b>	<b>88.8%</b>	<b>9,995</b>
<b>answered question</b>		<b>11,252</b>
<b>skipped question</b>		<b>970</b>

**PAGE:**

19. Where was your previous college calculus course taken?

<b>answered question</b>	<b>1,176</b>
<b>skipped question</b>	<b>946</b>

## 19. Where was your previous college calculus course taken?

	Percent	Count
At this college or university	50.9%	599
At another 4-year college or university	25.5%	300
At another 2-year college	23.6%	277
	<b>answered question</b>	<b>1,176</b>
	<b>skipped question</b>	<b>11,046</b>

## 20. What was the delivery mode of the calculus course you completed in college prior to this one? (Mark all that apply)

	Response Percent	Response Count
Online	6.7%	82
Through correspondence	6.8%	83
Face-to-face with an instructor	94.1%	1,145
	<b>answered question</b>	<b>1,217</b>
	<b>skipped question</b>	<b>11,005</b>

## 21. Why are you taking this course again? (Mark all that apply)

	Response Percent	Response Count
It did not count toward the credits I need	26.9%	305
I passed, but I need/want a higher grade (e.g., for my major)	20.1%	228
	<b>answered question</b>	<b>1,132</b>
	<b>skipped question</b>	<b>11,090</b>

**21. Why are you taking this course again? (Mark all that apply)**

I did not pass the course	18.6%	210
I dropped the class	11.0%	124
I wanted to get a better grade	19.0%	215
I wanted to improve my understanding of calculus	<b>40.7%</b>	<b>461</b>
My college advisor told me to	15.5%	175
	<b>answered question</b>	<b>1,132</b>
	<b>skipped question</b>	<b>11,090</b>

**PAGE:****22. Did you take a pre-calculus course in COLLEGE prior to this course?**

	<b>Response Percent</b>	<b>Response Count</b>
Yes	16.9%	1,886
No	<b>83.1%</b>	<b>9,267</b>
	<b>answered question</b>	<b>11,153</b>
	<b>skipped question</b>	<b>1,069</b>

**PAGE:****23. Where was your previous college precalculus course taken?**

	<b>Response Percent</b>	<b>Response Count</b>
At this college or university	<b>64.1%</b>	<b>1,154</b>
	<b>answered question</b>	<b>1,799</b>
	<b>skipped question</b>	<b>10,423</b>

**23. Where was your previous college precalculus course taken?**

<b>At another 4-year college or university</b>	13.5%	243
<b>At another 2-year college</b>	22.3%	402
<b>answered question</b>		<b>1,799</b>
<b>skipped question</b>		<b>10,423</b>

**24. What was the delivery mode of the precalculus course you completed in college prior to this one?**  
(Mark all that apply)

	<b>Response Percent</b>	<b>Response Count</b>
<b>Online</b>	9.1%	168
<b>Through correspondence</b>	5.1%	93
<b>Face-to-face with an instructor</b>	<b>94.2%</b>	<b>1,731</b>
<b>answered question</b>		<b>1,838</b>
<b>skipped question</b>		<b>10,384</b>

---

**PAGE:**

**25. What grade do you expect in this calculus course?**

	<b>Response Percent</b>	<b>Response Count</b>
<b>A</b>	<b>57.9%</b>	<b>6,478</b>
<b>B</b>	36.3%	4,062
<b>C</b>	5.4%	604
<b>D</b>	0.2%	23
<b>answered question</b>		<b>11,180</b>
<b>skipped question</b>		<b>1,042</b>

**25. What grade do you expect in this calculus course?**

<b>F</b>	0.1%	13
<b>answered question</b>		<b>11,180</b>
<b>skipped question</b>		<b>1,042</b>

**26. Do you intend to take Calculus II?**

	<b>Response Percent</b>	<b>Response Count</b>
<b>Yes</b>	<b>69.0%</b>	<b>7,728</b>
<b>No</b>	12.5%	1,404
<b>I don't know yet</b>	18.5%	2,070
<b>answered question</b>		<b>11,202</b>
<b>skipped question</b>		<b>1,020</b>

**27. How important is a good grade in this course in influencing your decision whether or not to take Calculus II?**

	<b>Response Percent</b>	<b>Response Count</b>
<b>Very important</b>	<b>30.9%</b>	<b>3,463</b>
<b>Important</b>	27.4%	3,064
<b>Slightly Important</b>	17.6%	1,966
<b>Slightly Unimportant</b>	4.6%	512
<b>Unimportant</b>	8.1%	906
<b>Not important at all</b>	11.5%	1,289
<b>answered question</b>		<b>11,200</b>
<b>skipped question</b>		<b>1,022</b>

**28. Is Calculus II required for your major?**

	<b>Response Percent</b>	<b>Response Count</b>
<b>Yes</b>	<b>57.9%</b>	<b>6,486</b>
<b>No</b>	22.2%	2,489
<b>I don't know</b>	19.9%	2,231
<b>answered question</b>		<b>11,206</b>
<b>skipped question</b>		<b>1,016</b>

**PAGE:**

**29. Please select the most appropriate answer.**

	<b>Strongly Disagree</b>	<b>Disagree</b>	<b>Slightly Disagree</b>	<b>Slightly Agree</b>	<b>Agree</b>	<b>Strongly Agree</b>	<b>Response Count</b>
<b>I believe I have the knowledge and abilities to succeed in this course.</b>	1.1% (122)	1.5% (170)	2.9% (329)	14.2% (1,586)	<b>44.6%</b> <b>(4,978)</b>	35.7% (3,987)	11,172
<b>I am confident in my mathematical abilities.</b>	1.2% (139)	2.7% (305)	5.7% (635)	20.7% (2,305)	<b>41.6%</b> <b>(4,637)</b>	28.1% (3,135)	11,156
<b>I understand the mathematics that I have studied.</b>	0.9% (99)	1.6% (175)	4.5% (497)	19.8% (2,206)	<b>45.7%</b> <b>(5,092)</b>	27.5% (3,067)	11,136
<b>I enjoy doing mathematics.</b>	4.2% (472)	5.0% (559)	8.3% (920)	22.4% (2,492)	<b>33.2%</b> <b>(3,695)</b>	26.8% (2,975)	11,113
<b>answered question</b>							<b>11,184</b>
<b>skipped question</b>							<b>1,038</b>

**30. If I take another calculus course after this one, it will be because *(Mark all that apply)***

<b>answered question</b>	<b>11,120</b>
<b>skipped question</b>	<b>1,102</b>



30. If I take another calculus course after this one, it will be because *(Mark all that apply)*

	Response Percent	Response Count
it is required	84.2%	9,366
I want to	50.2%	5,582
<b>answered question</b>		<b>11,120</b>
<b>skipped question</b>		<b>1,102</b>

**PAGE:**

31. Please select the most appropriate response below:

	A Not at all certain 1	2	3	B Very certain 4	Rating Average	Response Count
How certain are you in what you intend to do after college?	10.1% (1,122)	18.5% (2,047)	<b>39.9%</b> <b>(4,428)</b>	31.5% (3,496)	2.93	11,093
<b>answered question</b>						<b>11,093</b>
<b>skipped question</b>						<b>1,129</b>

32. Please select the most appropriate answer below:

	A I try hard to figure it out on my own 1	2	3	B I quickly seek help or give up trying 4	Rating Average	Response Count
<b>answered question</b>						<b>11,116</b>
<b>skipped question</b>						<b>1,106</b>

32. Please select the most appropriate answer below:

When experiencing a difficulty in my math class:	29.6% (3,287)	<b>49.8%</b> <b>(5,537)</b>	17.5% (1,944)	3.1% (348)	1.94	11,116
					<b>answered question</b>	<b>11,116</b>
					<b>skipped question</b>	<b>1,106</b>

33. Please select the most appropriate answer below:

	A a natural part of solving the problem 1	2	3	B an indication of my weakness in mathematics 4	Rating Average	Response Count
For me, making unsuccessful attempts when solving a mathematics problem is:	25.3% (2,808)	<b>41.5%</b> <b>(4,604)</b>	24.9% (2,762)	8.4% (933)	2.16	11,107
					<b>answered question</b>	<b>11,107</b>
					<b>skipped question</b>	<b>1,115</b>

34. Please select the most appropriate answer below:

	A solve specific kinds of problems 1	2	3	B make connections and form logical arguments 4	Rating Average	Response Count
My success in mathematics PRIMARILY relies on my ability to:	12.4% (1,380)	30.4% (3,382)	<b>35.3%</b> <b>(3,929)</b>	21.8% (2,425)	2.67	11,116
					<b>answered question</b>	<b>11,116</b>
					<b>skipped question</b>	<b>1,106</b>

**PAGE:**

**35. Please select the most appropriate answer below:**

	<b>A</b> I understand the covered material 1	<b>2</b>	<b>3</b>	<b>B</b> I can do things the way the teacher wants 4	<b>Rating Average</b>	<b>Response Count</b>
<b>My score on my mathematics exam is a measure of how well</b>	<b>41.9%</b> <b>(4,610)</b>	38.7% (4,262)	13.8% (1,520)	5.6% (616)	1.83	11,008
					<b>answered question</b>	<b>11,008</b>
					<b>skipped question</b>	<b>1,214</b>

**36. Please select the most appropriate answer below:**

	<b>A</b> I would never take another mathematics course 1	<b>2</b>	<b>3</b>	<b>B</b> I would continue to take mathematics 4	<b>Rating Average</b>	<b>Response Count</b>
<b>If I had a choice,</b>	13.7% (1,513)	21.0% (2,314)	31.2% (3,437)	<b>34.0%</b> <b>(3,746)</b>	2.86	11,010
					<b>answered question</b>	<b>11,010</b>
					<b>skipped question</b>	<b>1,212</b>

**37. Please select the most appropriate answer below:**

<b>answered question</b>	<b>10,985</b>
<b>skipped question</b>	<b>1,237</b>

37. Please select the most appropriate answer below:

	A memorize it the way it is presented 1	2	3	B make sense of the material, so that I understand it 4	Rating Average	Response Count
<b>When studying Calculus I in a textbook or in course materials, I tend to:</b>	6.7% (732)	19.0% (2,086)	37.1% (4,072)	<b>37.3%</b> <b>(4,095)</b>	3.05	10,985
				<b>answered question</b>		<b>10,985</b>
				<b>skipped question</b>		<b>1,237</b>

38. Please select the most appropriate answer below:

	A understand underlying mathematical ideas 1	2	3	B find answers to problems 4	Rating Average	Response Count
<b>When solving mathematics problems, graphing calculators or computers help me to:</b>	13.5% (1,488)	26.5% (2,909)	<b>35.9%</b> <b>(3,946)</b>	24.1% (2,653)	2.71	10,996
				<b>answered question</b>		<b>10,996</b>
				<b>skipped question</b>		<b>1,226</b>

39. Please select the most appropriate answer below:

	A work	B help	Rating Average	Response Count
			<b>answered question</b>	<b>11,040</b>
			<b>skipped question</b>	<b>1,182</b>

39. Please select the most appropriate answer below:

	problems so students know how to do them 1	2	3	students learn to reason through problems on their own 4		
The primary role of a mathematics instructor is to:	9.7% (1,066)	18.2% (2,005)	<b>37.0%</b> <b>(4,083)</b>	35.2% (3,886)	2.98	11,040
<b>answered question</b>						<b>11,040</b>
<b>skipped question</b>						<b>1,182</b>

PAGE:

40. Please select the most appropriate answer:

	Strongly Disagree	Disagree	Mildly Disagree	Mildly Agree	Agree	Strongly Agree	Response Count
Mathematics instructors should show students how mathematics is relevant	1.0% (108)	1.7% (183)	4.1% (448)	21.9% (2,400)	<b>41.8%</b> <b>(4,578)</b>	29.6% (3,248)	10,965
<b>answered question</b>							<b>10,965</b>
<b>skipped question</b>							<b>1,257</b>

41. Please select the most appropriate answer for each of the following.

	Strongly Disagree	Disagree	Slightly Disagree	Slightly Agree	Agree	Strongly Agree	Response Count
If I am unable to solve a problem within a few	8.2% (908)	<b>27.6%</b> <b>(3,044)</b>	23.0% (2,533)	26.1% (2,872)	12.1% (1,336)	2.9% (322)	11,015
<b>answered question</b>							<b>11,030</b>
<b>skipped question</b>							<b>1,192</b>

41. Please select the most appropriate answer for each of the following.

minutes, it is an indication of my weakness in mathematics.

Mathematics is about getting exact answers to specific problems.	4.6% (505)	15.8% (1,739)	20.9% (2,293)	<b>30.3%</b> <b>(3,326)</b>	22.2% (2,437)	6.2% (682)	10,982
--	---------------	------------------	------------------	--------------------------------	------------------	---------------	--------

The process of solving a problem that involves mathematical reasoning is a satisfying experience.	1.5% (161)	3.1% (341)	6.1% (667)	24.3% (2,676)	<b>39.4%</b> <b>(4,337)</b>	25.6% (2,815)	10,997
---	---------------	---------------	---------------	------------------	--------------------------------	------------------	--------

answered question **11,030**

skipped question **1,192**

PAGE:

42. Please indicate whether each of the following was born in the U.S.:

	Yes	No	Response Count
You	<b>88.2% (9,682)</b>	11.8% (1,298)	10,980
Male Parent or Guardian	<b>76.6% (8,372)</b>	23.4% (2,558)	10,930
Female Parent or Guardian	<b>75.8% (8,256)</b>	24.2% (2,631)	10,887

answered question **10,995**

skipped question **1,227**

43. What was the highest level of education for your male parent or guardian?

answered question **10,958**

skipped question **1,264**

**43. What was the highest level of education for your male parent or guardian?**

	<b>Response Percent</b>	<b>Response Count</b>
<b>Did not finish high school</b>	4.6%	501
<b>High school</b>	16.1%	1,760
<b>Some college</b>	18.3%	2,002
<b>Four years of college</b>	<b>30.6%</b>	<b>3,354</b>
<b>Graduate school</b>	30.5%	3,341
	<b>answered question</b>	<b>10,958</b>
	<b>skipped question</b>	<b>1,264</b>

**44. What was the highest level of education for your female parent or guardian?**

	<b>Response Percent</b>	<b>Response Count</b>
<b>Did not finish high school</b>	3.8%	416
<b>High school</b>	14.8%	1,622
<b>Some college</b>	23.5%	2,586
<b>Four years of college</b>	<b>35.9%</b>	<b>3,951</b>
<b>Graduate school</b>	22.0%	2,418
	<b>answered question</b>	<b>10,993</b>
	<b>skipped question</b>	<b>1,229</b>

**PAGE:****45. What was your home zip code at the time you graduated from high school? *If you graduated from a high school outside the U.S., enter 00000***

<b>answered question</b>	<b>11,061</b>
<b>skipped question</b>	<b>1,161</b>

**45. What was your home zip code at the time you graduated from high school? If you graduated from a high school outside the U.S., enter 00000**

	Response Count
	11,061
<b>answered question</b>	<b>11,061</b>
<b>skipped question</b>	<b>1,161</b>

**46. What is your birth date?**

	Response Percent	Response Count
<b>Enter numbers as indicated &gt;</b>	<b>100.0%</b>	<b>11,061</b>
<b>answered question</b>		<b>11,061</b>
<b>skipped question</b>		<b>1,161</b>

**47. Do the following people see you as a person who is good at mathematics?**

	Not at all 1	2	3	4	5	Very much 6	Rating Average	Response Count
<b>Yourself</b>	3.4% (369)	5.0% (549)	11.6% (1,278)	32.4% (3,564)	<b>34.1%</b> <b>(3,752)</b>	13.5% (1,490)	4.30	11,002
<b>Parents/Relatives</b>	1.3% (148)	3.2% (355)	8.5% (937)	19.6% (2,156)	<b>37.3%</b> <b>(4,100)</b>	29.9% (3,285)	4.78	10,981
<b>High school mathematics teacher</b>	1.6% (173)	2.9% (317)	9.6% (1,047)	22.1% (2,418)	<b>36.6%</b> <b>(4,006)</b>	27.3% (2,992)	4.71	10,953
<b>Friends</b>	1.0% (111)	2.8% (308)	9.8% (1,070)	23.6% (2,587)	<b>37.2%</b> <b>(4,074)</b>	25.7% (2,813)	4.70	10,963
							<b>answered question</b>	<b>11,004</b>
							<b>skipped question</b>	<b>1,218</b>



**PAGE:****48. What is your gender?**

	<b>Response Percent</b>	<b>Response Count</b>
<b>Male</b>	<b>55.3%</b>	<b>6,055</b>
<b>Female</b>	44.7%	4,900
	<b>answered question</b>	<b>10,955</b>
	<b>skipped question</b>	<b>1,267</b>

**49. What is your race? (Mark all that apply)**

	<b>Response Percent</b>	<b>Response Count</b>
<b>White</b>	<b>76.4%</b>	<b>8,286</b>
<b>Black</b>	5.3%	575
<b>Asian</b>	14.3%	1,551
<b>Pacific Islander</b>	1.1%	114
<b>American Indian or Alaska Native</b>	1.5%	166
<b>Other (please specify)</b>	8.3%	900
	<b>answered question</b>	<b>10,851</b>
	<b>skipped question</b>	<b>1,371</b>

**50. Are you of Hispanic origin?**

	<b>Response Percent</b>	<b>Response Count</b>
	<b>answered question</b>	<b>10,905</b>
	<b>skipped question</b>	<b>1,317</b>

**50. Are you of Hispanic origin?**

<b>Yes</b>	<b>9.7%</b>	<b>1,063</b>
<b>No</b>	<b>90.3%</b>	<b>9,842</b>
<b>answered question</b>		<b>10,905</b>
<b>skipped question</b>		<b>1,317</b>

**PAGE:****51. Was English the primary language spoken in your household?**

	<b>Response Percent</b>	<b>Response Count</b>
<b>Yes</b>	<b>84.9%</b>	<b>9,310</b>
<b>No</b>	<b>15.1%</b>	<b>1,651</b>
<b>answered question</b>		<b>10,961</b>
<b>skipped question</b>		<b>1,261</b>

**52. What year are you in college?**

	<b>Response Percent</b>	<b>Response Count</b>
<b>Freshmen</b>	<b>74.9%</b>	<b>8,215</b>
<b>Sophomore</b>	<b>13.9%</b>	<b>1,530</b>
<b>Junior</b>	<b>6.2%</b>	<b>681</b>
<b>Senior</b>	<b>2.3%</b>	<b>247</b>
<b>Graduate Student</b>	<b>0.5%</b>	<b>52</b>
<b>Other</b>	<b>2.3%</b>	<b>249</b>
<b>answered question</b>		<b>10,974</b>
<b>skipped question</b>		<b>1,248</b>

**53. What is your current type of college enrollment?**

	<b>Response Percent</b>	<b>Response Count</b>
<b>Full-time</b>	<b>96.5%</b>	<b>10,563</b>
<b>Part-time</b>	<b>3.5%</b>	<b>388</b>
	<b>answered question</b>	<b>10,951</b>
	<b>skipped question</b>	<b>1,271</b>

**54. To what degree was your home environment supportive of your studying math?**

	<b>Response Percent</b>	<b>Response Count</b>
<b>Not at all</b>	<b>3.4%</b>	<b>375</b>
<b>Somewhat</b>	<b>19.0%</b>	<b>2,089</b>
<b>Strongly</b>	<b>37.9%</b>	<b>4,163</b>
<b>Very Strongly</b>	<b>39.6%</b>	<b>4,351</b>
	<b>answered question</b>	<b>10,978</b>
	<b>skipped question</b>	<b>1,244</b>

**PAGE:**

**55. Who encouraged you to take mathematics classes? (Mark all that apply.)**

	<b>Response Percent</b>	<b>Response Count</b>
<b>No One</b>	<b>41.9%</b>	<b>4,568</b>
<b>Mother/Female Guardian</b>	<b>40.7%</b>	<b>4,436</b>
	<b>answered question</b>	<b>10,903</b>
	<b>skipped question</b>	<b>1,319</b>

**55. Who encouraged you to take mathematics classes? (Mark all that apply.)**

<b>Father/Male Guardian</b>	41.3%	4,500
<b>Siblings</b>	12.4%	1,354
<b>Other Relative</b>	8.7%	952
<b>School Counselor</b>	33.8%	3,687
<b>Math Teacher</b>	38.3%	4,172
<b>Other Teacher</b>	9.2%	1,006
<b>Coach</b>	2.8%	306
	<b>answered question</b>	<b>10,903</b>
	<b>skipped question</b>	<b>1,319</b>

**56. Where did you attend high school?**

	<b>Response Percent</b>	<b>Response Count</b>
<b>American school in the United States</b>	<b>93.2%</b>	<b>10,185</b>
<b>American school abroad</b>	1.1%	121
<b>Other (please specify)</b>	5.7%	627
	<b>answered question</b>	<b>10,933</b>
	<b>skipped question</b>	<b>1,289</b>

**57. Approximately how many hours per week do you expect to work at a job this semester/term?**

	<b>Response Percent</b>	<b>Response Count</b>
	<b>answered question</b>	<b>10,907</b>
	<b>skipped question</b>	<b>1,315</b>

**57. Approximately how many hours per week do you expect to work at a job this semester/term?**

<b>0</b>	<b>54.1%</b>	<b>5,902</b>
<b>1-5</b>	9.0%	979
<b>6-10</b>	13.3%	1,456
<b>11-15</b>	9.1%	993
<b>16-20</b>	6.5%	708
<b>21-30</b>	4.1%	445
<b>More than 30</b>	3.9%	424
	<b>answered question</b>	<b>10,907</b>
	<b>skipped question</b>	<b>1,315</b>

**58. Approximately how many hours per week do you expect to participate in organized extracurricular activities such as sports, college paper, or clubs this semester/term?**

	<b>Response Percent</b>	<b>Response Count</b>
<b>0</b>	10.4%	1,131
<b>1-5</b>	<b>35.7%</b>	<b>3,896</b>
<b>6-10</b>	27.4%	2,988
<b>11-15</b>	12.6%	1,372
<b>16-20</b>	6.5%	709
<b>21-30</b>	4.1%	444
<b>More than 30</b>	3.4%	373
	<b>answered question</b>	<b>10,913</b>
	<b>skipped question</b>	<b>1,309</b>

**59. Approximately how many hours per week do you expect to spend preparing for your classes this semester/term (studying, reading, writing, doing homework or lab work, analyzing data, rehearsing, or**

<b>answered question</b>	<b>10,939</b>
<b>skipped question</b>	<b>1,283</b>

other academic activities)?

	Response Percent	Response Count
0	0.3%	30
1-5	4.3%	474
6-10	14.6%	1,593
11-15	21.5%	2,351
16-20	<b>23.5%</b>	<b>2,567</b>
21-30	20.9%	2,284
More than 30	15.0%	1,640
	<b>answered question</b>	<b>10,939</b>
	<b>skipped question</b>	<b>1,283</b>

PAGE:

60. Which of the following BEST describes your current career goal?

	Response Percent	Response Count
Medical professional (e.g. doctor, dentist, vet)	23.2%	2,506
Other health professional (e.g. nurse, medical technician)	2.4%	263
Life scientist (e.g. biologist, medical researcher)	4.5%	482
Earth/Environment scientist (e.g. geologist, meteorologist)	2.3%	249
Physical scientist (e.g. chemist, physicist, astronomer)	3.8%	412
	<b>answered question</b>	<b>10,805</b>
	<b>skipped question</b>	<b>1,417</b>

60. Which of the following BEST describes your current career goal?

Engineer	30.0%	3,242
Computer scientist, IT	5.0%	540
Mathematician	1.3%	141
Science/Math teacher	3.4%	362
Other teacher	1.0%	104
Social scientist (e.g. psychologist, sociologist)	1.6%	176
Business administration (finance, accounting, management)	7.5%	809
Lawyer	1.7%	186
English/Language/Arts specialist	0.7%	75
Other non-science related career	2.9%	312
Undecided	8.8%	946
	<b>answered question</b>	<b>10,805</b>
	<b>skipped question</b>	<b>1,417</b>

61. Please select the appropriate response for each of the following:

	Strongly Disagree	Disagree	Slightly Disagree	Slightly Agree	Agree	Strongly Agree	Response Count
I am anticipating difficulty paying for college.	15.6% (1,703)	18.5% (2,015)	12.6% (1,376)	<b>22.4%</b> <b>(2,443)</b>	17.7% (1,922)	13.1% (1,425)	10,884
In order to succeed in calculus at a college or university, I must have taken it before.	10.7% (1,154)	23.2% (2,508)	20.3% (2,194)	<b>24.0%</b> <b>(2,601)</b>	15.1% (1,634)	6.7% (728)	10,819
							<b>answered question</b>
							<b>10,926</b>
							<b>skipped question</b>
							<b>1,296</b>

**62. Optional: We may want to contact you to ask follow-up questions about your math-related experiences. All communications will be kept in the strictest confidence and your email will NOT be disclosed to any third party. Your email address:**

	<b>Response Count</b>
	4,210
<b>answered question</b>	<b>4,210</b>
<b>skipped question</b>	<b>8,012</b>