

ACROSS

1. Up and at'em
6. Title of Bette Midler's debut album, a reference to her stage persona: The Divine ____
11. "You've got mail" co.
14. Playful prank
15. Greek letter used by Wolfram
16. Letters on the 6 key of a telephone
17. $*x^2 + y^2 - z^2 = -1$, e.g.
19. ____ Mae Brown (Whoopi Goldberg's role in "Ghost")
20. Neither's partner
21. Proven conjecture
23. $*x^2 + y^2 + 2z^2 = 1$, e.g.
28. Dust busters, for short
29. 80s rocker Lewis, 30s Senator Long, and Black Panther founder Newton
30. Crawl sideways on all fours
34. Cathedral recess
35. Alternative name for a manatee
36. What all the starred clues and answers are
42. How soccer games often, but baseball games rarely, end
43. Unix shell that replaced Bourne
44. Place of horror and torture in European legend, but nowadays a fan website for the Arizona Diamondbacks
47. Explorer Polo
48. A linear one between normed spaces is bdd. iff it is cts.
49. $*x^2 + y^2 = 1$, e.g.
51. Archbishop Tutu
55. Adjective that some use for mathematicians over 40 (or 30, or whatever)
56. Kellogg's Cracklin' ____ Bran
57. $*z = y^2 + x^2$ and $z = y^2 - x^2$, e.g.
63. www.maa.org, for example
64. Phrase you might utter in response to an Ace-high hand: "Well, I've got ____"
65. Boredom
66. Prestigious UK public research univ., whose fictitious alumni include Pres. Josiah Bartlett ("The West Wing") and James Bond's father
67. Mini-version of 21-Across
68. Scolded onomatopoeically
3. Foursquare or Instagram, for instance
4. Having great, focused vision
5. Mistakes on homework
6. Chairman ____
7. Sick
8. Classic Steven Wright joke: "I spilled ____ remover on my dog; now he's gone"
9. Dog breed: ____ tzu
10. Fashioned
11. Unprincipled
12. Up next, in sports slang
13. Rich soils
18. Frat buddy
22. Eggs, in the lab
23. NBA star who also starred in "Kazaam"
24. Kind of platter at a Polynesian restaurant
25. Disney song sung by Lady's friend Peg: "____ Tramp"
26. Polar global-warming concern
27. Severe
31. Mental sharpness
32. A bad lecture might be one
33. Conservation grp. with a panda logo
35. Opposite/Hypotenuse
37. Former NBA player Smits nicknamed The Dunkin' Dutchman
38. Lets go, as in a potential proof
39. "Pick a ____ . . ."
40. Verb suffix for fluor-
41. MIT's Peter who found a quantum computing algorithm that factors in $O((\log N)^3)$ time
44. Servings of asparagus or pickles
45. Maker of Butterfingers
46. Either of two rays that make up an angle
47. Cereal plant grown as food
48. Namesake for a brand of nonalcoholic beer
50. Bathroom, in Cambridge
52. October birthstone
53. Back of the neck
54. Unit of mass equaling 1/16 ounce, and unit of volume equaling 1/8 fluid ounce
58. Order between "ready" and "fire"
59. A famous "Seinfeld" has Kramer inventing this, but designed for men
60. It used to be kept in wells
61. Required to be turned in, as with homework
62. ____ Vicious: name shared by the Sex Pistols's bassist and a pro wrestler

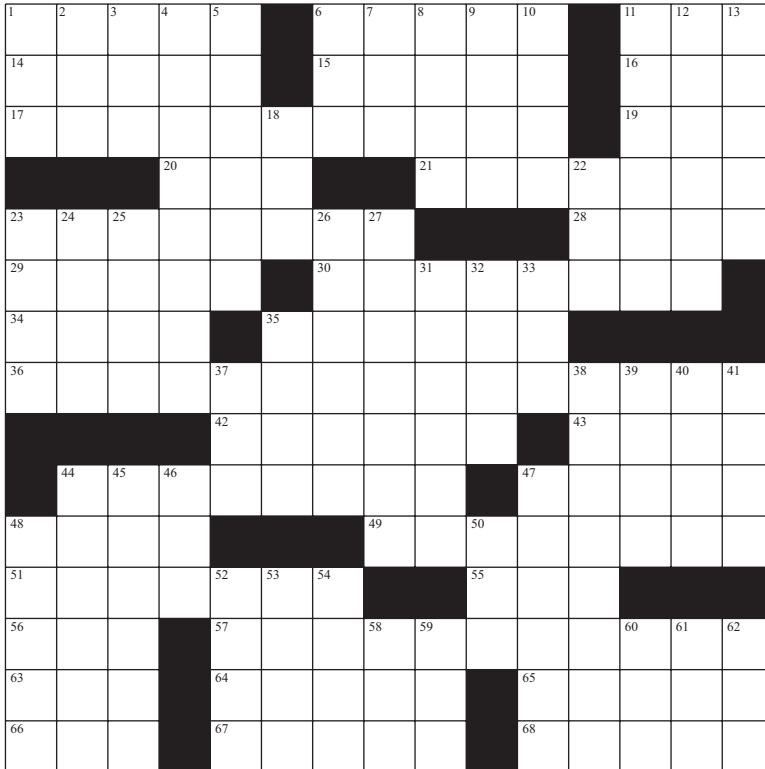
DOWN

1. "Oh, good heavens!", in German: "____ du lieber!"
2. Proof technique: counting in two ____s

2D or not 2D?

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Clues start at left, on page 52. The solution is on page 54.

Extra copies of the puzzle, in both .pdf and .puz (AcrossLite) formats, can be found at www.maa.org/mathmag/supplements.

1	2	3	4	5		6	7	8	9	10		11	12	13		
A	W	A	K	E		M	I	S	S	M		A	O	L		
14						15						16				
C	A	P	E	R		A	L	P	H	A		M	N	O		
17						18						19				
H	Y	P	E	R		B	O	L	O	I	D		O	D	A	
					20					21		22				
					N	O	R			T	H	E	O	R	E	M
23	24	25								26	27		28			
S	P	H	E	R	O		I	D					V	A	C	S
29							30		31	32	33					
H	U	E	Y	S			C	R	A	B	W		A	L	K	
34						35										
A	P	S	E			S	E	A	C	O	W					
36						37						38	39	40	41	
Q	U	A	D			R	I	C	S	U	R	F	A	C	E	S
						42							43			
						I	N	A	T	I	E		B	O	S	H
												47				
		44	45	46												
		S	N	A	K	E	P	I	T			M	A	R	C	O
48									49							
O	P	E	R						C	Y	L	I	N	D	E	R
51						52	53	54			55					
D	E	S	M			O	N	D			O	L	D			
56						57			58	59			60	61	62	
O	A	T				P	A	R	A	B	O	L	O	I	D	S
63						64						65				
U	R	L				A	P	A	I	R		E	N	N	U	I
66						67						68				
L	S	E				L	E	M	M	A		T	S	K	E	D