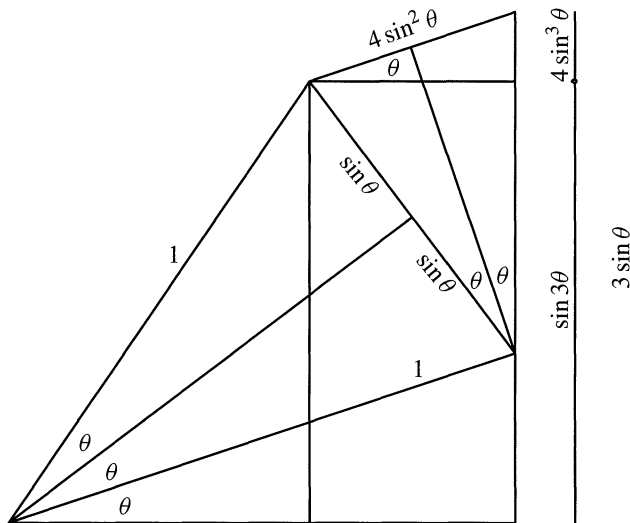
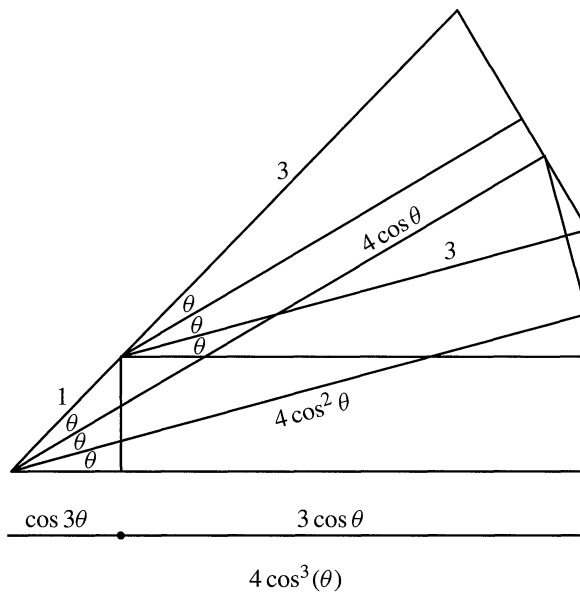


Proof Without Words: The Triple-Angle Formulas for Sine and Cosine

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$$\sin(3\theta) = 3 \sin(\theta) - 4 \sin^3(\theta)$$



$$\cos(3\theta) = 4 \cos^3(\theta) - 3 \cos(\theta)$$