

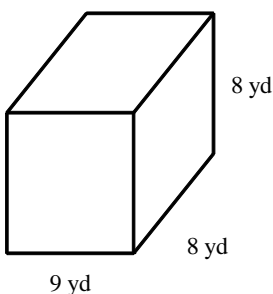
NAME: _____

P.I. A.G.2: Use formulas to calculate volume of rectangular solids

P.I. G.G.12: Know and apply that the volume of a prism is the product of the area of the base and the altitude

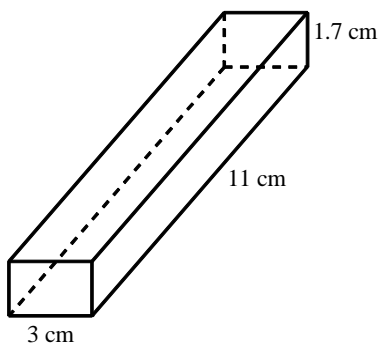
1. The formula for the volume of a cube is $V = s^3$. Write an expression for the volume of a cube in which $s = 2x^4$.

2. Find the volume:



- [A] 576 cubic yards [B] 416 cubic yards
[C] 100 cubic yards [D] 136 cubic yards

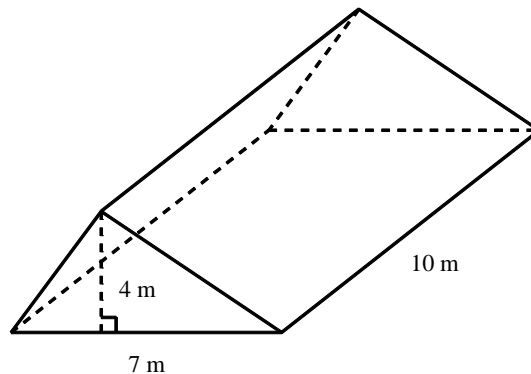
3. Find the volume of the rectangular prism.



- [A] 56.8 cm^3 [B] 56.1 cm^3
[C] 62.8 cm^3 [D] 51.7 cm^3

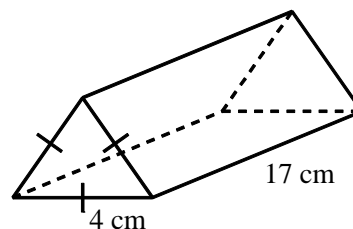
4. Concrete is purchased by the yard, which means cubic yard. How much will it cost to pour a 16 ft by 16 ft by 6 in. slab for a patio if concrete costs \$58 a yard?

5. Find the volume of the triangular prism.



- [A] 24 m^3 [B] 140 m^3
[C] 38 m^3 [D] 280 m^3

6. Find the volume of the figure, rounded to the nearest tenth.



[1] $8x^{12}$ _____

[2] A _____

[3] B _____

[4] about \$275.00 _____

[5] B _____

[6] 117.8 cm^3 _____