

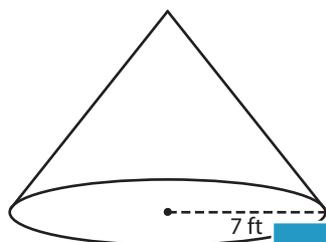
Name : _____

Volume - Cone

L1S1

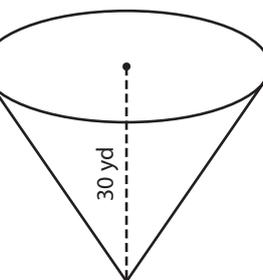
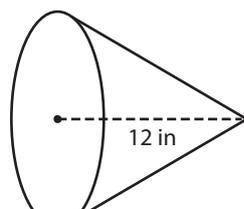
A) Find the indicated measure in each cone.

1) Volume = $147\pi \text{ ft}^3$



height = _____

2) Volume = $256\pi \text{ in}^3$



radius = _____

B) Find the indicated

4) Volume = $500\pi \text{ ft}^3$;

radius = _____

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; diameter = 10 in

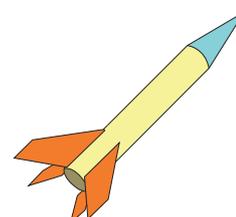
6) Volume = $4,116\pi \text{ yd}^3$

ft³ ; height = 19 ft

slant height = _____

diameter = _____

8) The volume of the nose cone of a model rocket is 16π cubic inches. What is the height of the nose cone, if its diameter is 4 inches?



Name : _____

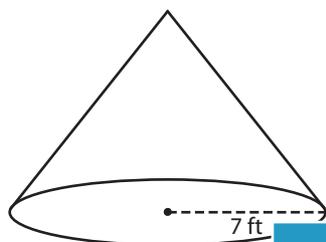
Answer key

Volume - Cone

L1S1

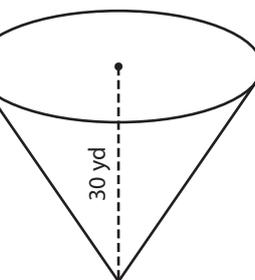
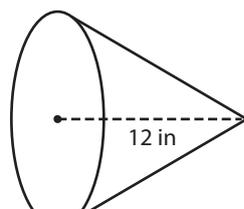
A) Find the indicated measure in each cone.

1) Volume = $147\pi \text{ ft}^3$



height = 9

2) Volume = $256\pi \text{ in}^3$



radius = 21 yd

B) Find the indicated

4) Volume = $500\pi \text{ ft}^3$;

radius = _____

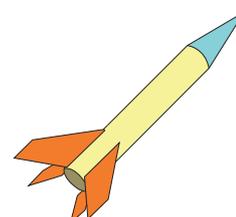
6) Volume = $4,116\pi \text{ yd}^3$

slant height = 35 yd

diameter = 36 ft

8) The volume of the nose cone of a model rocket is 16π cubic inches. What is the height of the nose cone, if its diameter is 4 inches?

12 inches



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