

Pyramid Problems

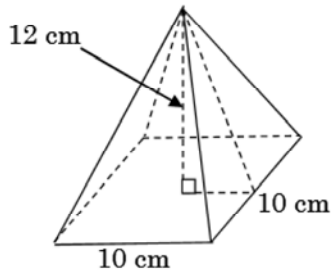
11.07

Find the volume and surface area for each pyramid after writing down the formulas. Draw a sketch when one is not provided.

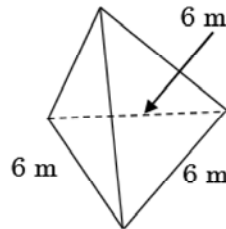
Volume = \_\_\_\_\_

Surface Area = \_\_\_\_\_

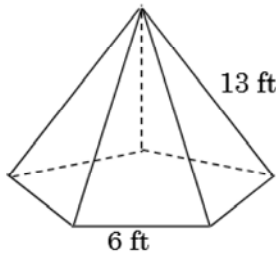
1. Base is a square.



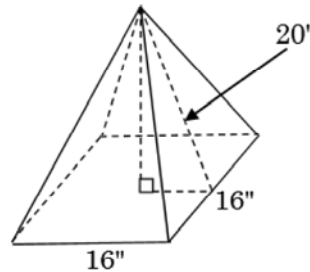
2. All sides are 6 m. Height of pyramid is 4.9 m.



3. Pentagon is regular.  
Height of pyramid is 11.9 ft.



4. Base is a square.



5. A square-based pyramid with a base area of 36 square inches and height of 3 inches.

6. A regular hexagon-based pyramid with side of 12 cm for the hexagon and 10 cm for the height of the pyramid.

Scrambled answers: 1247, 842, 360, 244, 400, 1094, 62, 87, 251, 1562, 26, 36