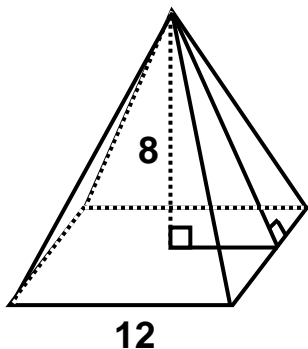


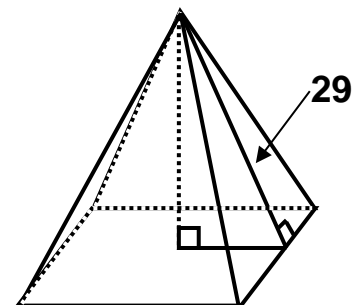
TOPIC 17-1: PARTS OF PYRAMIDS

EXAMPLE 1: Find the indicated values.

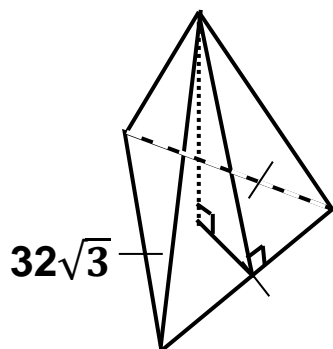
a) Find the slant height.



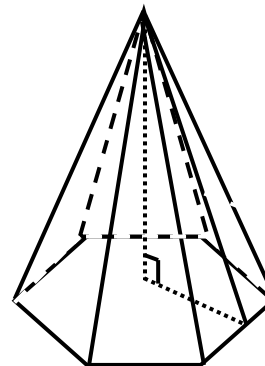
b) If the perimeter of the base of the square pyramid is 160 units, find the height.



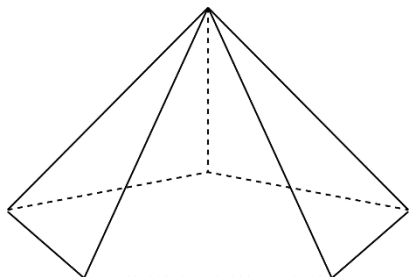
c) If the height of the triangular pyramid is 30 units long, find the slant height.



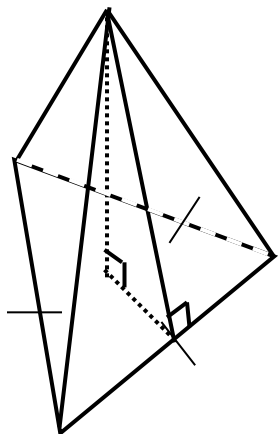
d) If the perimeter of the base is 120 cm and slant height is 28 cm, find the height.



EXAMPLE 2: The radius of the base in the pentagonal pyramid is 16 cm and the height is 12 cm. Find the slant height and the area of a lateral face. Round to nearest hundredth.



EXAMPLE 3: The regular triangular pyramid below has a base edge of 12 cm and a lateral edge of 10 cm. Find the slant height, the height, and the area of the base.



EXAMPLE 4: A regular hexagonal pyramid has base edges of $8\sqrt{3}$ in. and a height of 16 in. Find the slant height, the perimeter of the base and the area of the base.

