

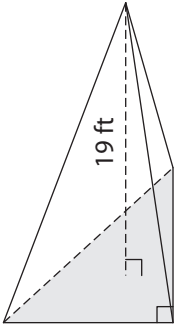
Name : \_\_\_\_\_

## Volume - Pyramids

Integers: S3

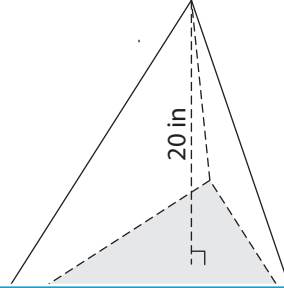
Find the volume of each pyramid. Round your answer to two decimal places.

1) Base area =  $42 \text{ ft}^2$

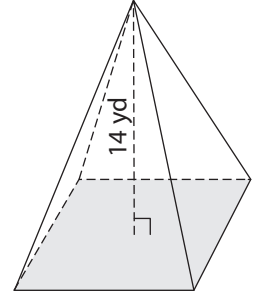


Volume = \_\_\_\_\_

2) Base area =  $164 \text{ in}^2$

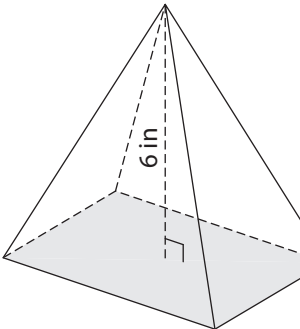


3) Base area =  $39 \text{ yd}^2$



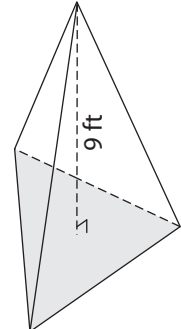
Volume = \_\_\_\_\_

4) Base area =  $206 \text{ in}^2$



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

Base area =  $63 \text{ ft}^2$



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

7) The base area of a triangular pyramid is  $100 \text{ cm}^2$ .

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Find its volume if its height is 17 inches.

\_\_\_\_\_

8) A rectangular pyramid has a height of 22 feet and a base with area of 222 square feet. Find the volume of the pyramid.

\_\_\_\_\_

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Name : \_\_\_\_\_

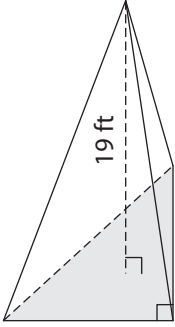
## Answer key

### Volume - Pyramids

Integers: S3

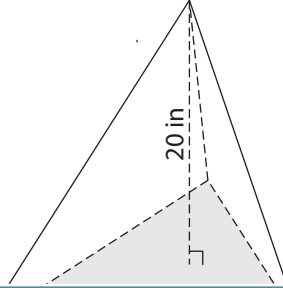
Find the volume of each pyramid. Round your answer to two decimal places.

1) Base area =  $42 \text{ ft}^2$

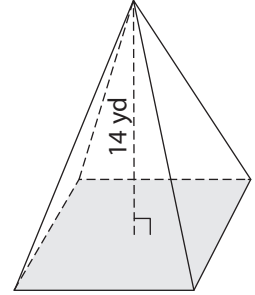


Volume =           **266 ft<sup>3</sup>**          

2) Base area =  $164 \text{ in}^2$

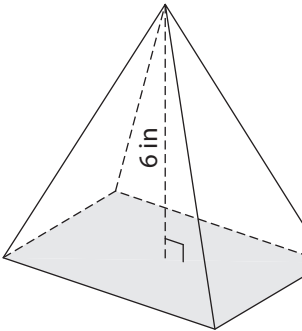


3) Base area =  $39 \text{ yd}^2$



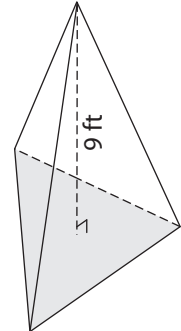
Volume =           **182 yd<sup>3</sup>**          

4) Base area =  $206 \text{ in}^2$



Volume =           **412 in<sup>3</sup>**          

Base area =  $63 \text{ ft}^2$



Volume =           **189 ft<sup>3</sup>**          

7) The base area of a triangular pyramid is  $171 \text{ in}^2$ .

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Find the volume if its height is 17 inches.

          **289 cubic inches**          

8) A rectangular pyramid has a height of 22 feet and a base with area of 222 square feet. Find the volume of the pyramid.

          **1,628 cubic feet**          

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