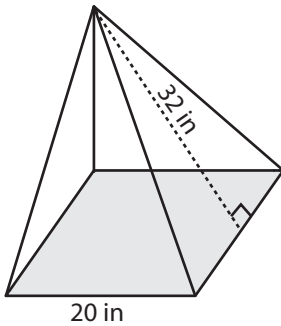


Surface Area - Square Pyramid

MS1

Example:



$$\text{Surface area} = \text{base area} + \frac{1}{2} \times \text{base perimeter} \times \text{slant height}$$

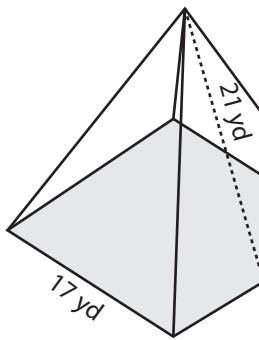
$$\text{Base area} = \text{side} \times \text{side} = 20 \times 20 = 400 \text{ in}^2$$

$$\text{Base perimeter} = 4 \times \text{side} = 4 \times 20 = 80 \text{ in}$$

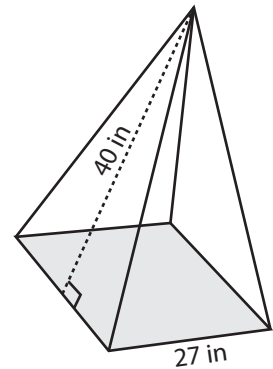
$$\begin{aligned} \text{Surface area} &= 400 + \frac{1}{2} \times 80 \times 32 \\ &= \mathbf{1680 \text{ in}^2} \end{aligned}$$

Find the surface area of each

1)

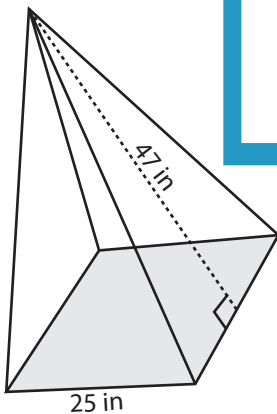


Surface Area = _____

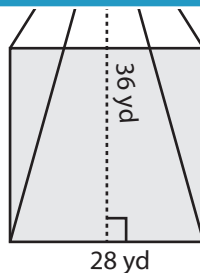


Surface Area = _____

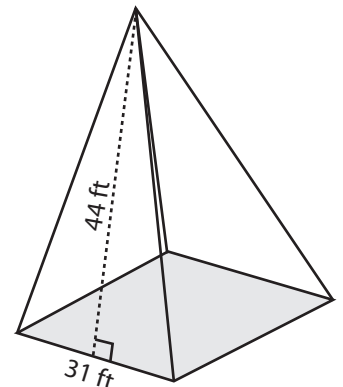
4)



Surface Area = _____



Surface Area = _____



Surface Area = _____

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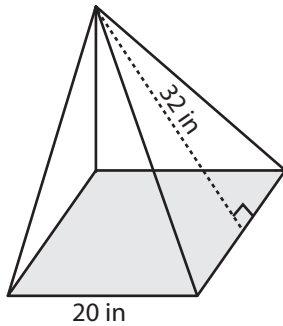
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Surface Area - Square Pyramid

MS1

Example:



$$\text{Surface area} = \text{base area} + \frac{1}{2} \times \text{base perimeter} \times \text{slant height}$$

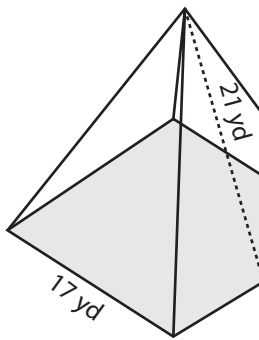
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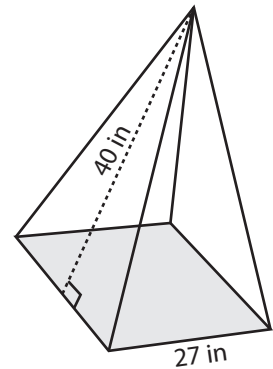
$$\begin{aligned} \text{Surface area} &= 400 + \frac{1}{2} \times 80 \times 32 \\ &= \mathbf{1680 \text{ in}^2} \end{aligned}$$

Find the surface area of each

1)

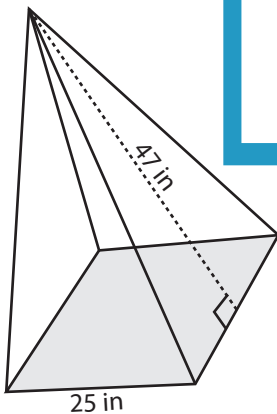


Surface Area = 1003 yd

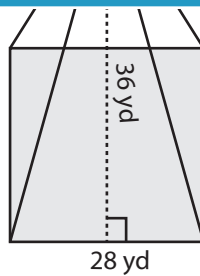


Surface Area = 2889 in²

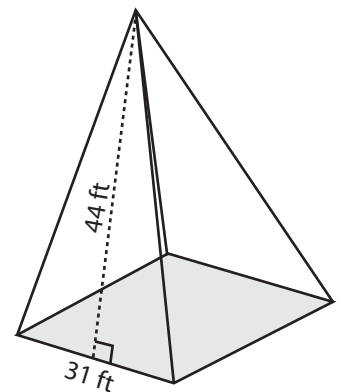
4)



Surface Area = 2975 in²



Surface Area = 2800 yd²



Surface Area = 3689 ft²

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