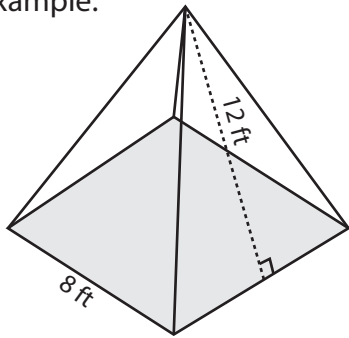


Surface Area - Square Pyramid

ES2

Example:



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

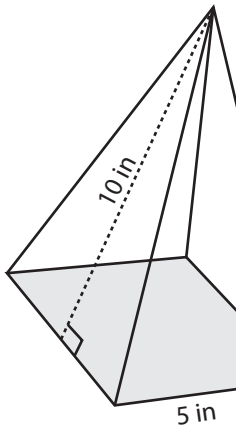
Base area = side x side = $8 \times 8 = 64 \text{ ft}^2$

Perimeter = 4 x side = $4 \times 8 = 32 \text{ ft}$

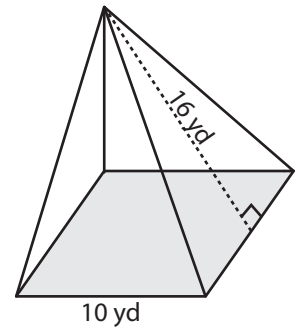
Surface area = $64 + \frac{1}{2} \times 32 \times 12$
 = **256 ft²**

Find the surface area of each

1)

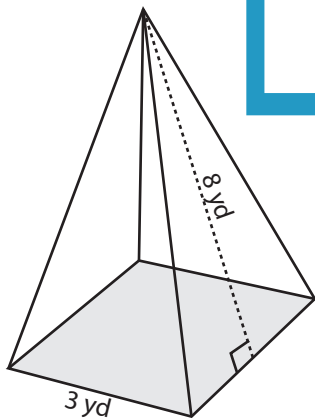


Surface Area = _____

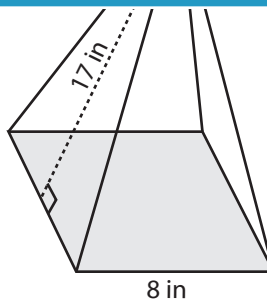


Surface Area = _____

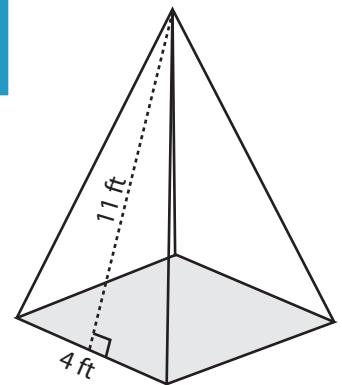
4)



Surface Area = _____



Surface Area = _____



Surface Area = _____

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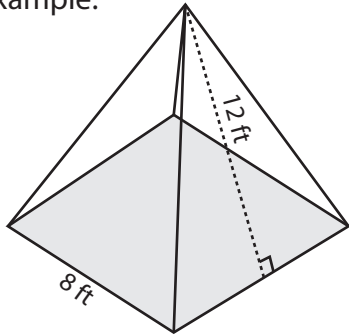
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Answer key**Surface Area - Square Pyramid**

ES2

Example:



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

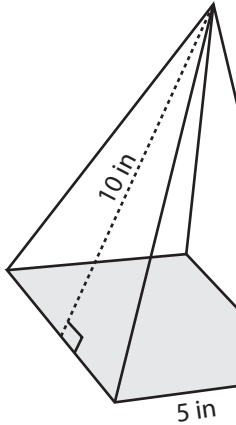
$$\text{Base area} = \text{side} \times \text{side} = 8 \times 8 = 64 \text{ ft}^2$$

$$\text{Perimeter} = 4 \times \text{side} = 4 \times 8 = 32 \text{ ft}$$

$$\begin{aligned} \text{Surface area} &= 64 + \frac{1}{2} \times 32 \times 12 \\ &= \mathbf{256 \text{ ft}^2} \end{aligned}$$

Find the surface area of each

1)



$$\text{Surface Area} = \mathbf{125 \text{ in}^2}$$

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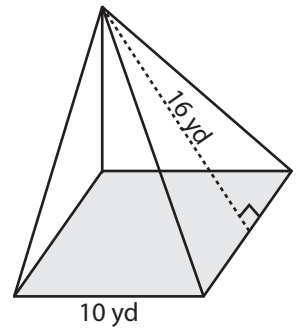
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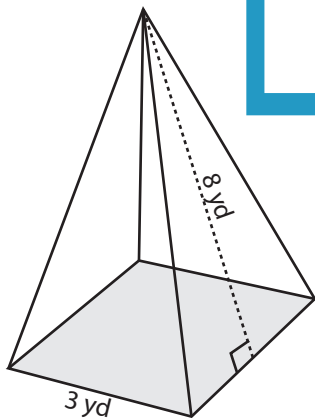
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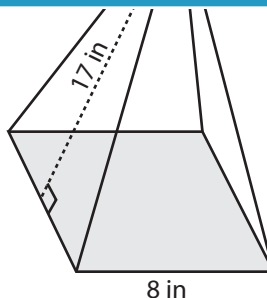


$$\text{Surface Area} = \mathbf{420 \text{ yd}^2}$$

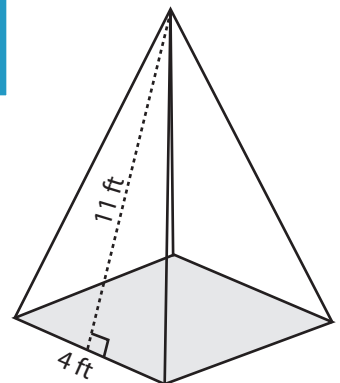
4)



$$\text{Surface Area} = \mathbf{57 \text{ yd}^2}$$



$$\text{Surface Area} = \mathbf{336 \text{ in}^2}$$



$$\text{Surface Area} = \mathbf{104 \text{ ft}^2}$$