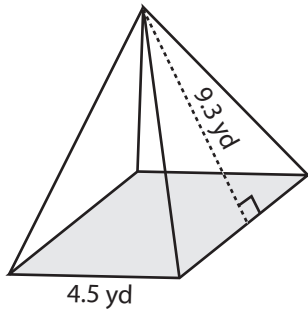


Surface Area - Square Pyramid

DS1

Example:



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

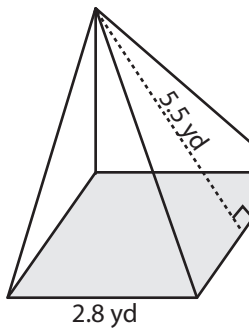
$$\text{Base area} = \text{side} \times \text{side} = 4.5 \times 4.5 = 20.25 \text{ yd}^2$$

$$\text{Perimeter} = 4 \times \text{side} = 4 \times 4.5 = 18 \text{ yd}$$

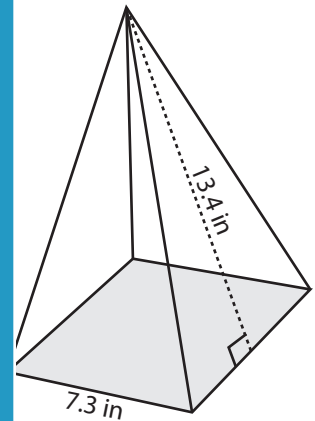
$$\begin{aligned} \text{Surface area} &= 20.25 + \frac{1}{2} \times 18 \times 9.3 \\ &= \mathbf{103.95 \text{ yd}^2} \end{aligned}$$

Find the surface area of each

1)

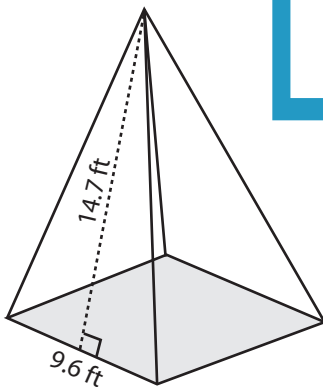


Surface Area = _____

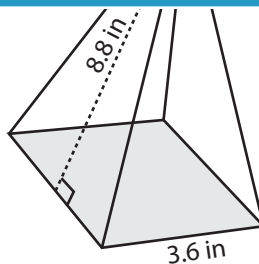


Surface Area = _____

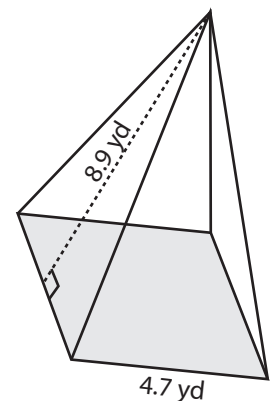
4)



Surface Area = _____



Surface Area = _____



Surface Area = _____

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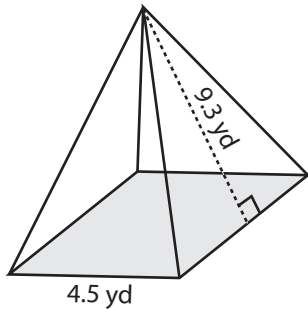
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Answer key**Surface Area - Square Pyramid**

DS1

Example:



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

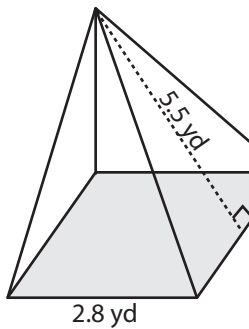
$$\text{Base area} = \text{side} \times \text{side} = 4.5 \times 4.5 = 20.25 \text{ yd}^2$$

$$\text{Perimeter} = 4 \times \text{side} = 4 \times 4.5 = 18 \text{ yd}$$

$$\begin{aligned} \text{Surface area} &= 20.25 + \frac{1}{2} \times 18 \times 9.3 \\ &= \mathbf{103.95 \text{ yd}^2} \end{aligned}$$

Find the surface area of each

1)



$$\text{Surface Area} = \mathbf{38.64 \text{ yd}^2}$$

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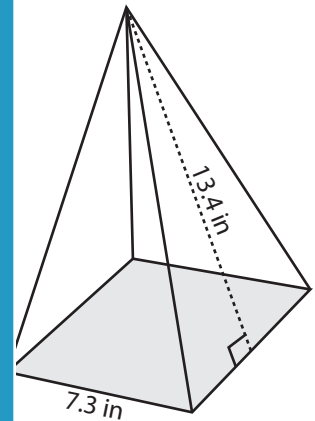
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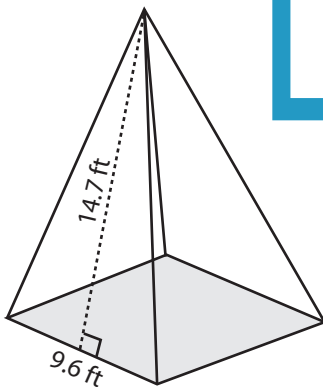
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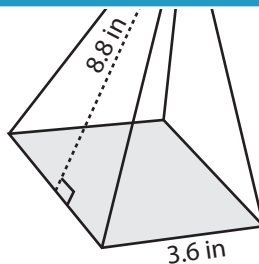


$$\text{Surface Area} = \mathbf{248.93 \text{ in}^2}$$

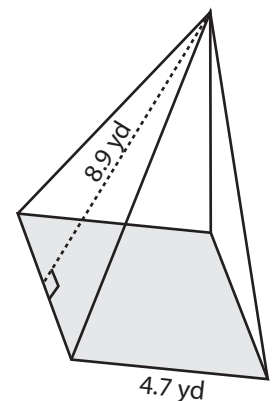
4)



$$\text{Surface Area} = \mathbf{374.4 \text{ ft}^2}$$



$$\text{Surface Area} = \mathbf{76.32 \text{ in}^2}$$



$$\text{Surface Area} = \mathbf{105.75 \text{ yd}^2}$$