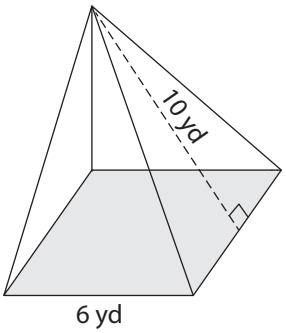
Name : _____

Surface Area of Square Pyramids

Integers: ES1

Example:



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

Base area = side × side = 6 × 6 = 36 yd²

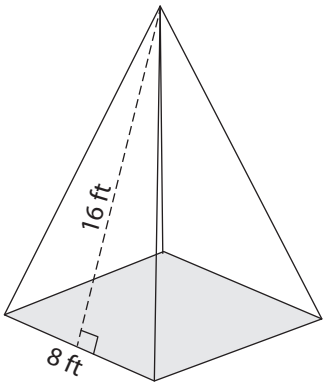
Perimeter = 4 × side = 4 × 6 = 24 yd

Surface area = 36 + $\frac{1}{2}$ × 24 × 10

= **156 yd²**

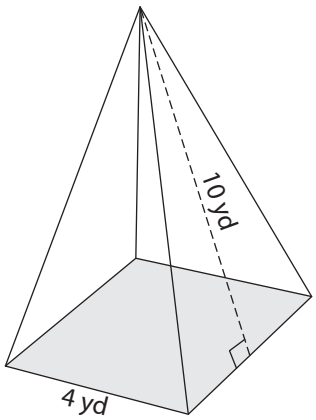
Find the surface area of each square pyramid.

1)



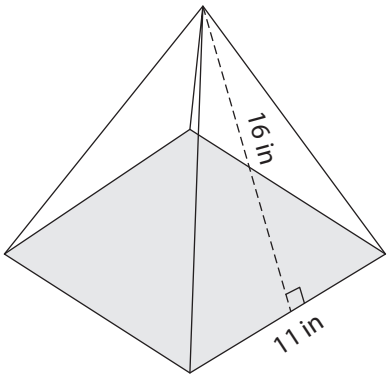
Surface Area = _____

2)



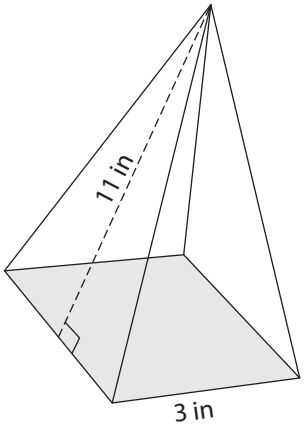
Surface Area = _____

3)



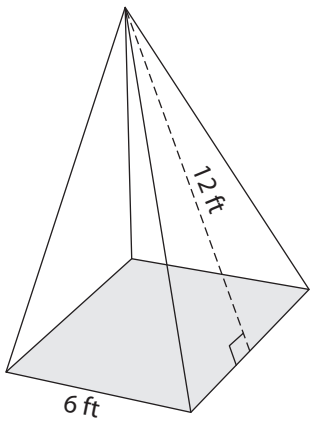
Surface Area = _____

4)



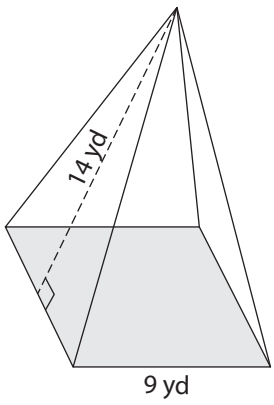
Surface Area = _____

5)



Surface Area = _____

6)



Surface Area = _____

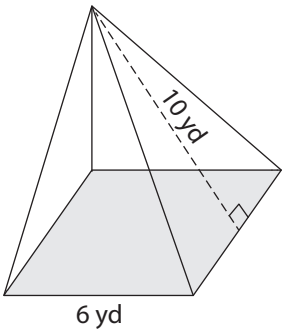
Answer key

Name : _____

Surface Area of Square Pyramids

Integers: ES1

Example:



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

Base area = side × side = 6 × 6 = 36 yd^2

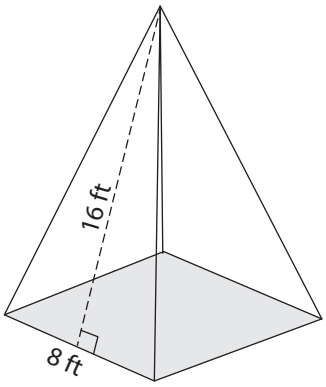
Perimeter = 4 × side = 4 × 6 = 24 yd

Surface area = 36 + $\frac{1}{2}$ × 24 × 10

= **156 yd²**

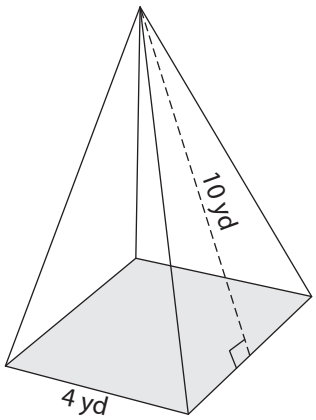
Find the surface area of each square pyramid.

1)



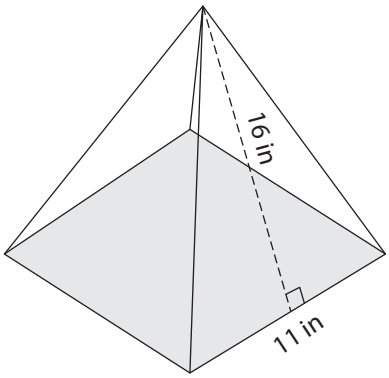
Surface Area = **320 ft²**

2)



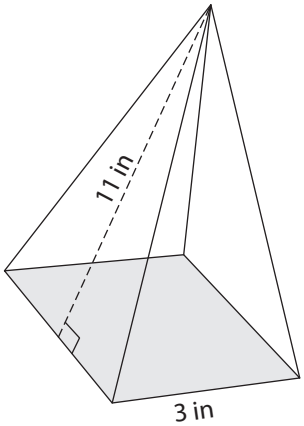
Surface Area = **96 yd²**

3)



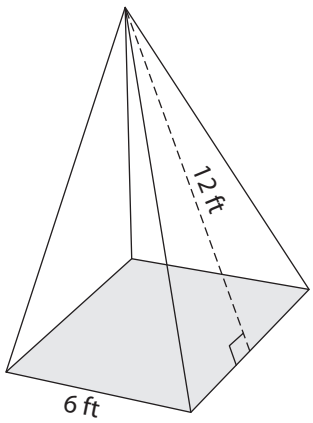
Surface Area = **473 in²**

4)



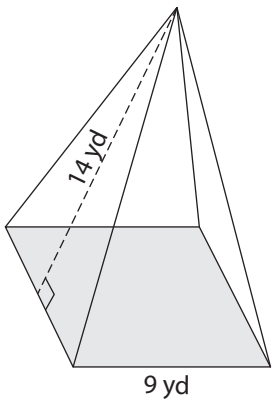
Surface Area = **75 in²**

5)



Surface Area = **180 ft²**

6)



Surface Area = **333 yd²**