

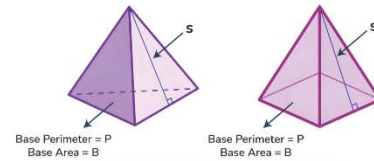
Name :

Class :

Surface Area of Pyramids

The surface area of a pyramid is the sum of the areas of all faces of a pyramid. Use this formula: $SA = B + \frac{1}{2} \times P \times l$, where B is the area of the pyramid's base, P is the perimeter of the base, and l is the slant length of the lateral sides.

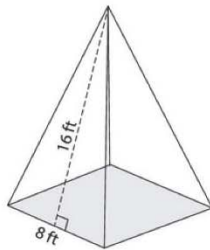
Surface Area of Pyramid



$$\text{Lateral Surface Area (LSA)} = \frac{1}{2} P s$$
$$\text{Total Surface Area (TSA)} = \frac{1}{2} P s + B$$

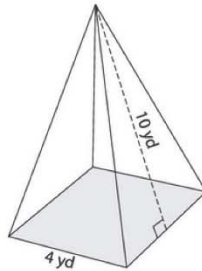
Find the surface area of each square pyramid

1)



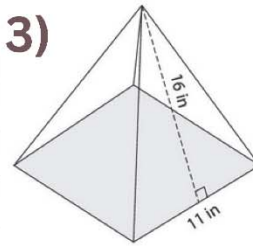
$$SA = 328 \text{ ft}^2$$

2)



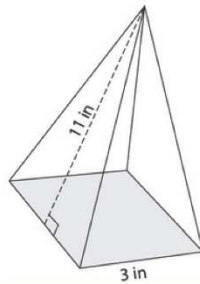
$$SA = 98 \text{ yd}^2$$

3)



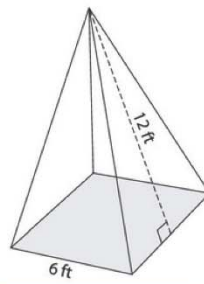
$$SA = 493 \text{ in}^2$$

4)



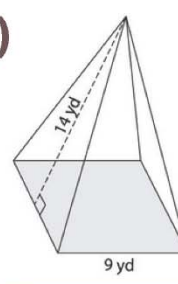
$$SA = 76 \text{ in}^2$$

5)



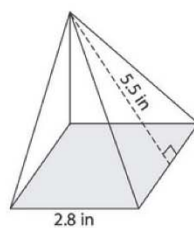
$$SA = 184 \text{ ft}^2$$

6)



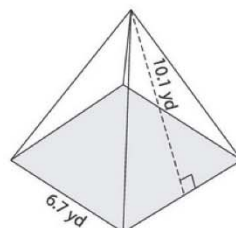
$$SA = 346 \text{ yd}^2$$

7)



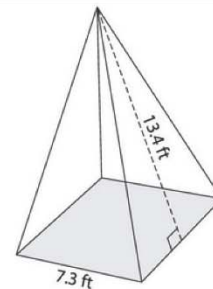
$$SA = 40 \text{ in}^2$$

8)



$$SA = 187 \text{ yd}^2$$

9)



$$SA = 256 \text{ ft}^2$$