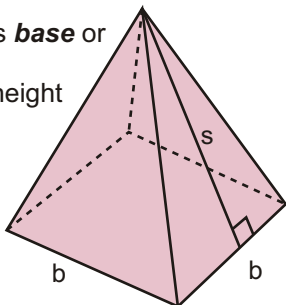


Surface Area Of A Square Pyramid

Parts Of A Square Pyramid

b = length of each triangle's **base** or side length of each square.
s = slant. The slant is the height of each triangular face.



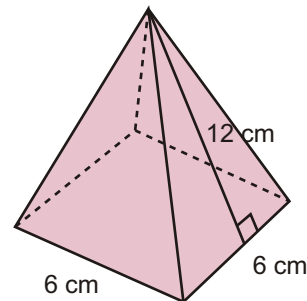
Example: Study the steps of finding the surface area of a square pyramid.

$$SA = 2bs + b^2$$

$$SA = 2(6)(12) + 6^2$$

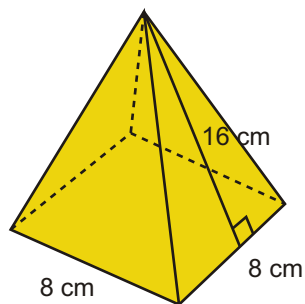
$$SA = 144 + 36$$

$$SA = 180 \text{ cm}^2$$

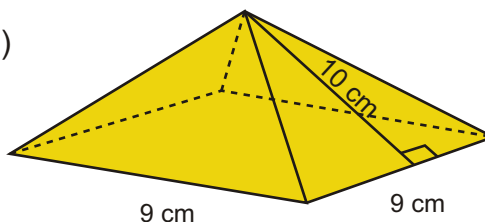


Find the surface area of each square pyramid.

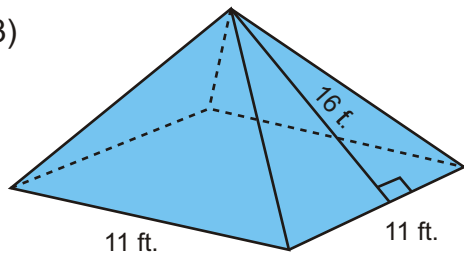
1)



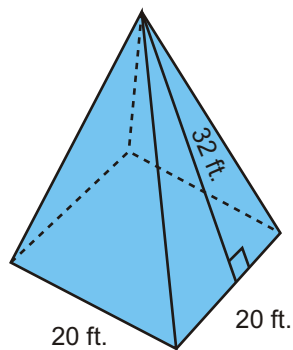
2)

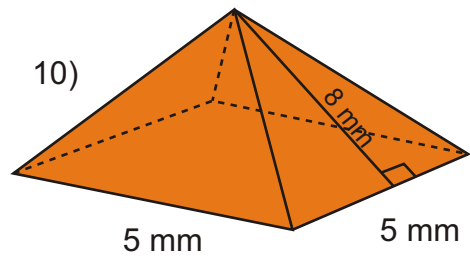
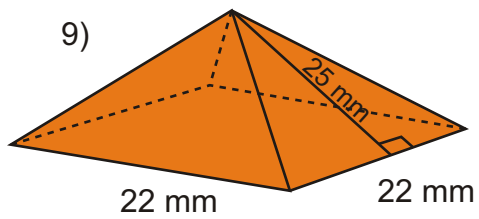
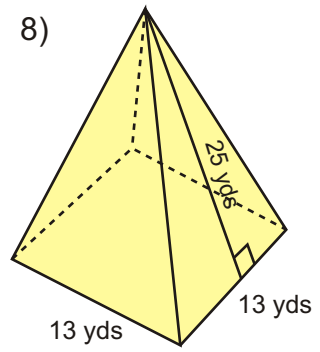
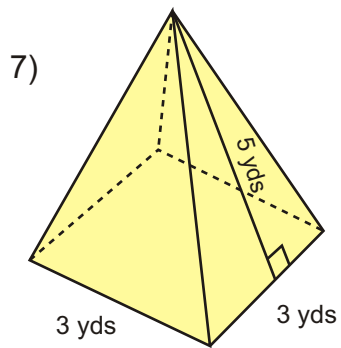
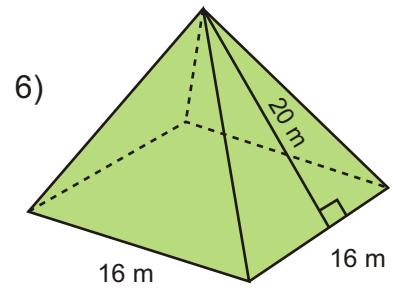
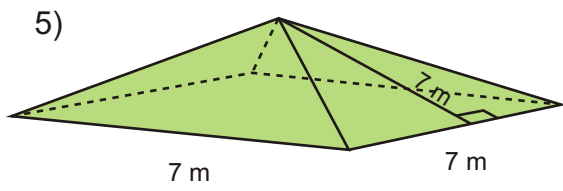


3)



4)

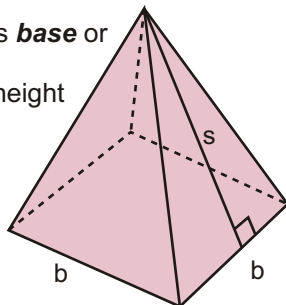




Surface Area Of A Square Pyramid

Parts Of A Square Pyramid

b = length of each triangle's **base** or side length of each square.
s = slant. The slant is the height of each triangular face.



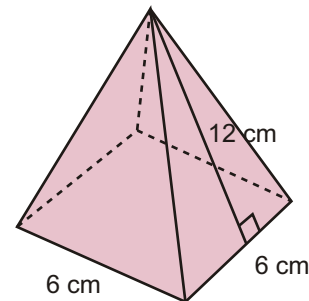
Example: Study the steps of finding the surface area of a square pyramid.

$$SA = 2bs + b^2$$

$$SA = 2(6)(12) + 6^2$$

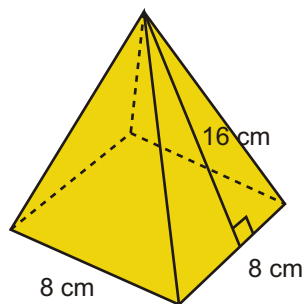
$$SA = 144 + 36$$

$$SA = 180 \text{ cm}^2$$



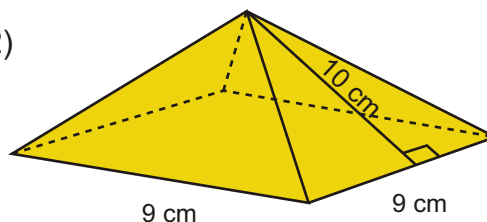
Find the surface area of each square pyramid.

1)



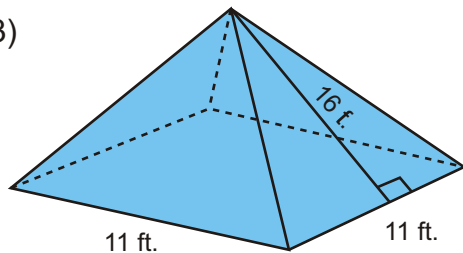
$$SA = 320 \text{ cm}^2$$

2)



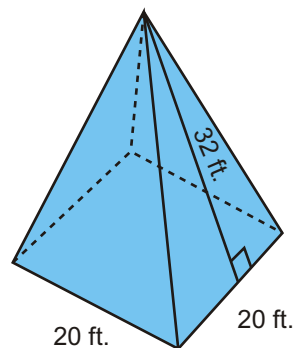
$$SA = 261 \text{ cm}^2$$

3)

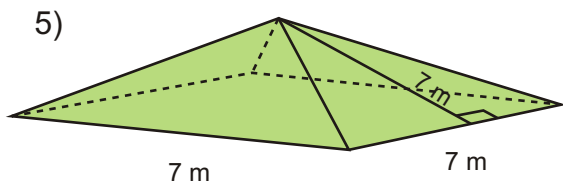


$$SA = 473 \text{ ft.}^2$$

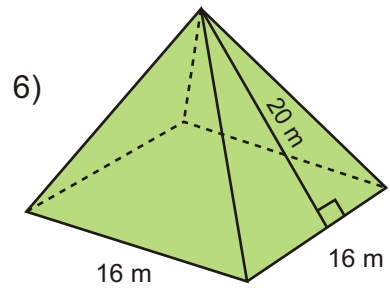
4)



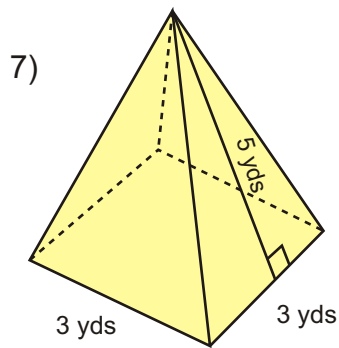
$$SA = 1,680 \text{ ft.}^2$$



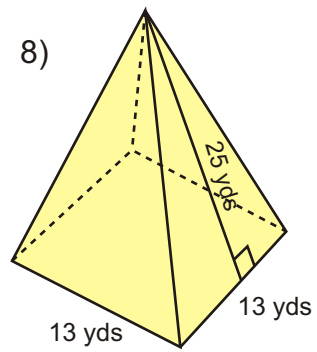
$$SA = 147 \text{ m}^2$$



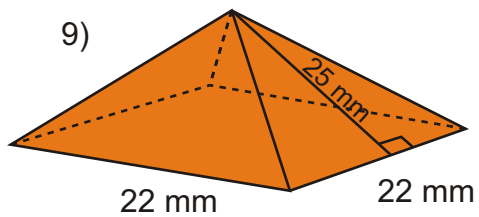
$$SA = 896 \text{ m}^2$$



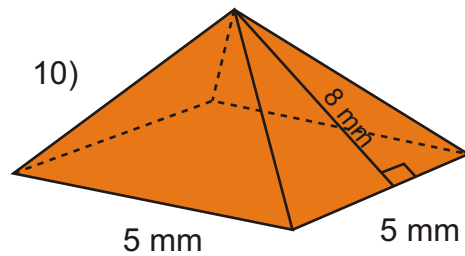
$$SA = 39 \text{ yds}^2$$



$$SA = 819 \text{ yds}^2$$



$$SA = 1,584 \text{ mm}^2$$



$$SA = 105 \text{ mm}^2$$