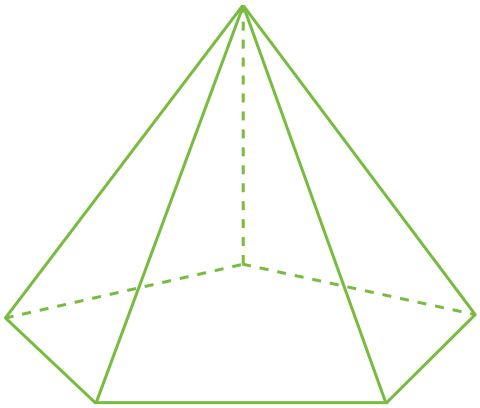
Surface Area of Pyramids and Cones

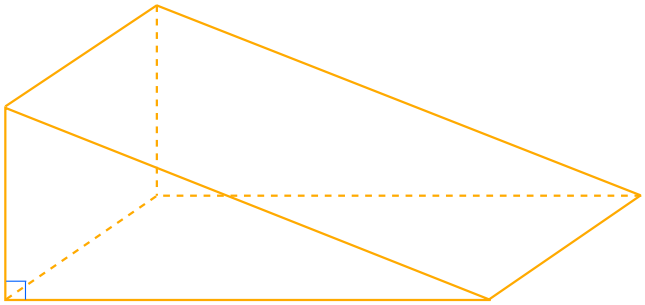
Name _____

Date _____ Period _____

Surface Area

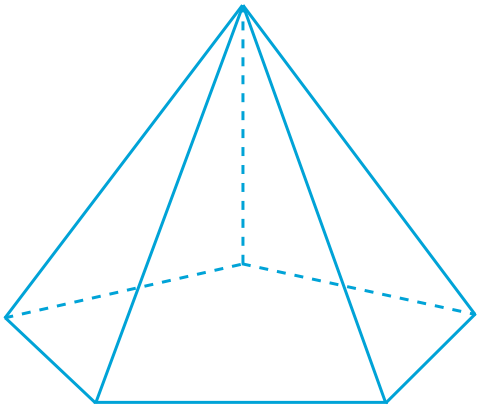
the sum of the areas of all the surfaces of a three-dimensional figure.





Pyramid

a polyhedron with one face, called the base
and all other lateral faces intersect at one point.

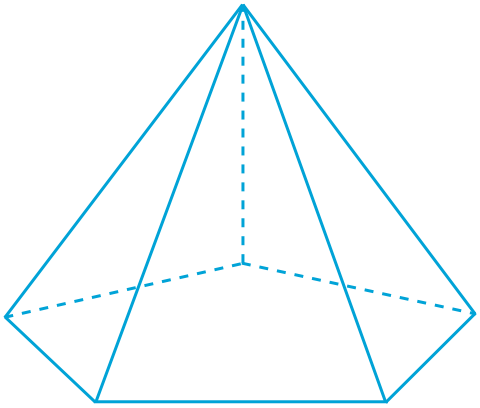


Pyramid

Surface Area of a Pyramid

$S.A.$ = Area of Base + Area of Lateral Faces

$S.A. = B + LA$



Pyramid

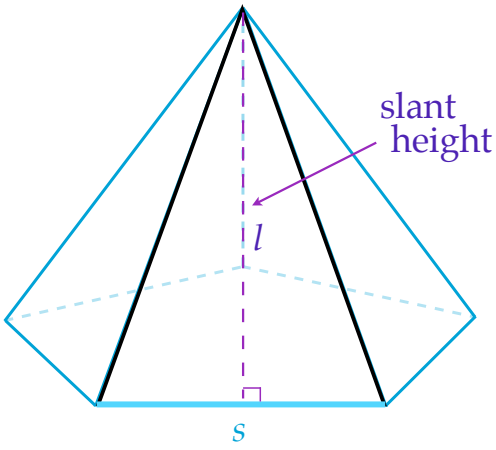
Surface Area of a Pyramid

$S.A.$ = Area of Base + Area of Lateral Faces

$S.A. = B + LA$

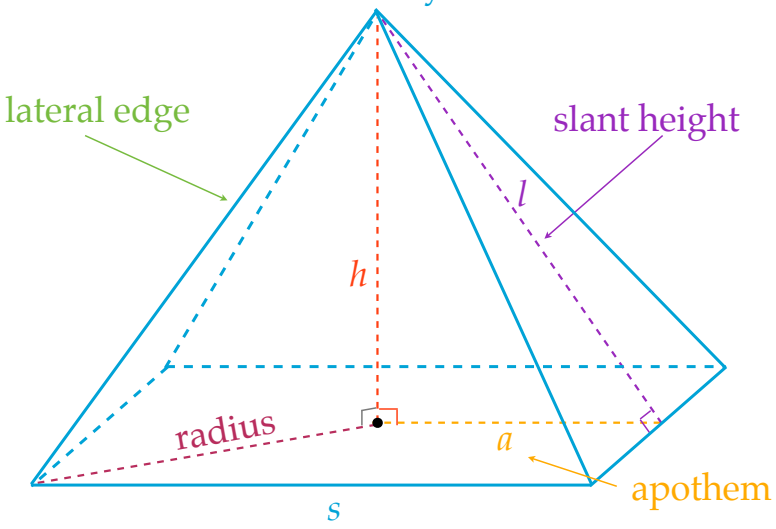
5 Congruent Triangles

$S.A. = B + \frac{1}{2}pl$



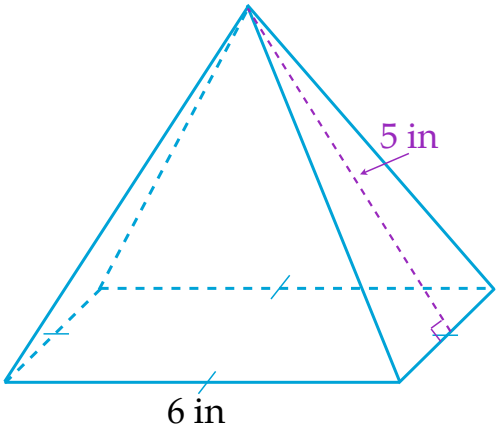
Pyramid

Pieces of a Pyramid



Calculate the Surface Area of the following Pyramids

$$S.A. = B + \frac{1}{2}pl$$



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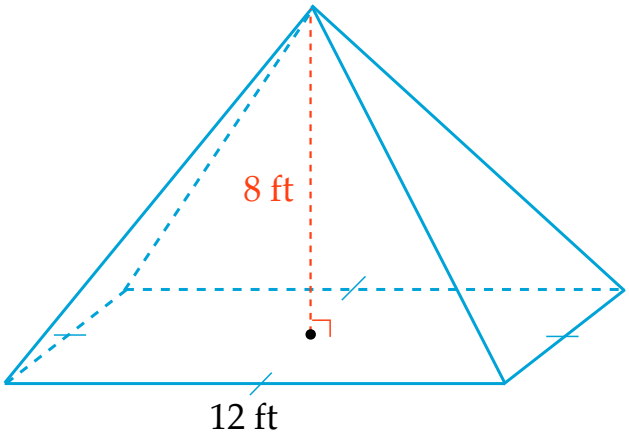

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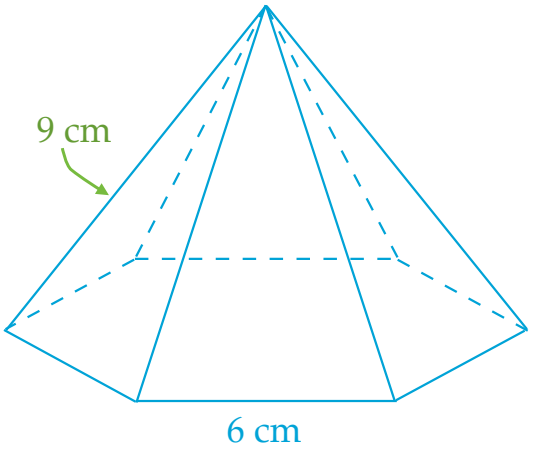
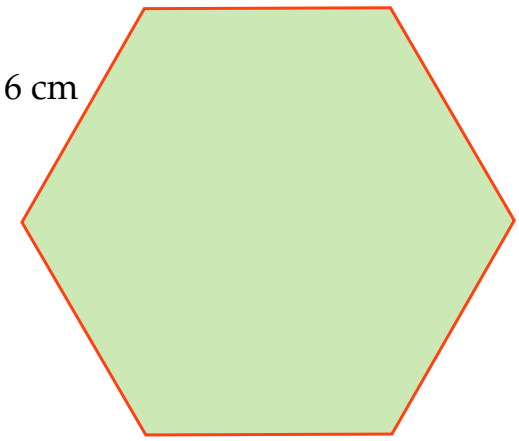


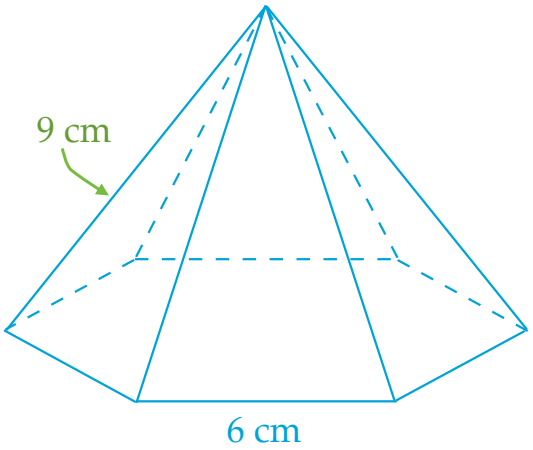
Find Area of the Regular Hexagon

$P = s \cdot n$ $A = \frac{1}{2} P \cdot a$



Calculate the Surface Area of the following Pyramids

$S.A. = B + \frac{1}{2} pl$



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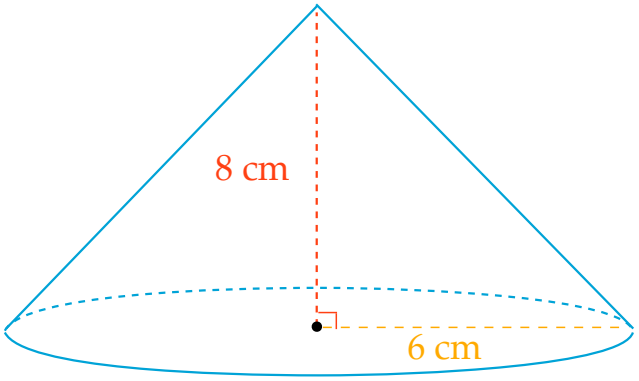

Calculate the Surface Area of the following Pyramids

$$S.A. = B + \frac{1}{2}pl$$