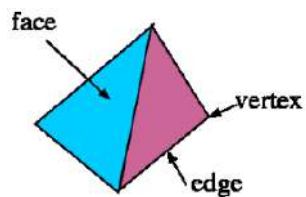

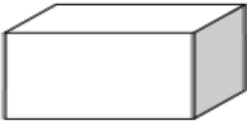
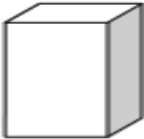
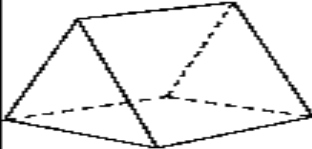
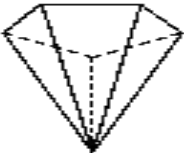

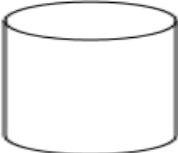


Unit 3 Lesson 2: Surface Area of 3D Shapes

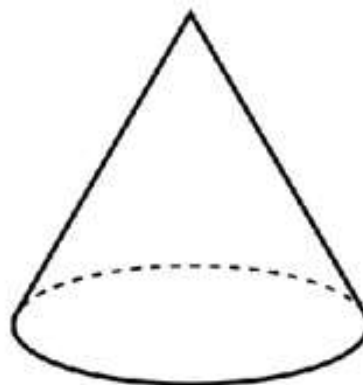
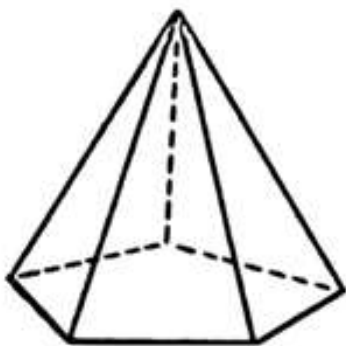
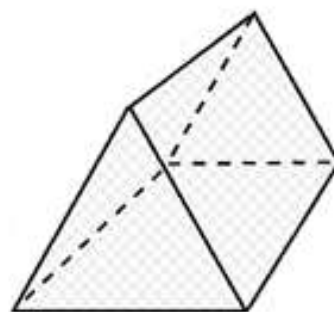


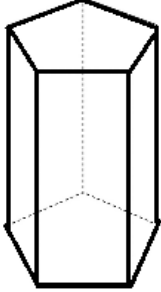
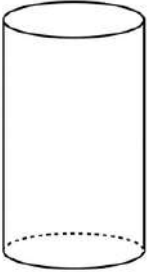
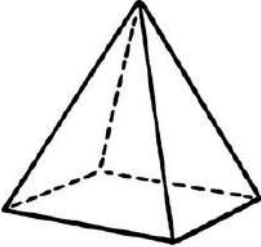
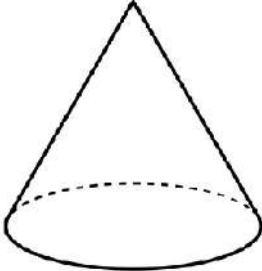
	NUMBER OF EDGES	NUMBER OF VERTICES	NUMBER OF FACES
			
			
			
			
			
			
			

LATERAL AREA & SURFACE AREA

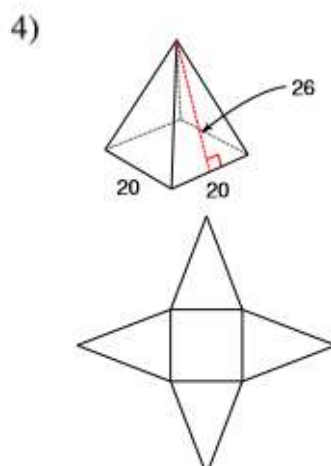
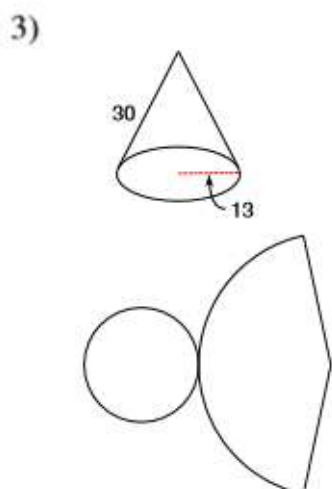
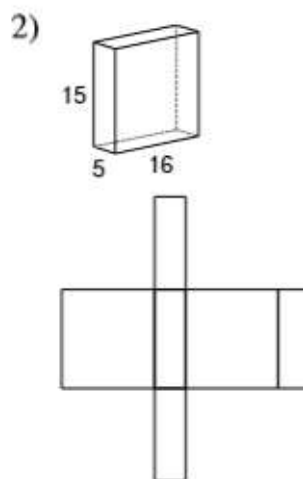
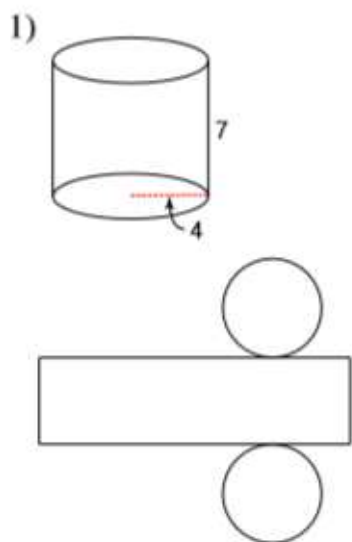
Lateral Area:

Surface Area:

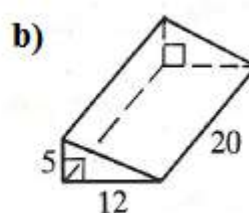
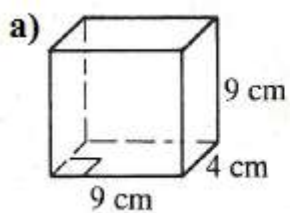


Name	Shape	Lateral Area	Surface Area
Prism			
Cylinder			
Pyramids			
Cones			

EXAMPLES: Use the measurements given to label the net figure. Find the Lateral Area and the Surface Area.

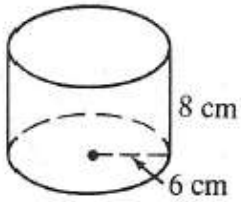


Example # 1: Finding $L.A.$ & $S.A$ of Prisms



Example # 2: Finding $L.A.$ & $S.A.$ of Cylinders

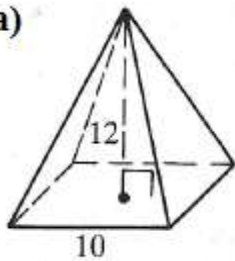
a)



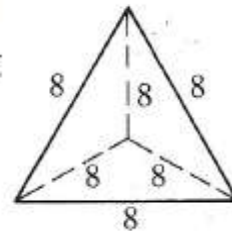
b) The lateral area of a cylinder is 96π .
If $h = 12$, find r . Then find the $S.A.$

Example # 3: Finding $L.A.$ & $S.A.$ of Pyramids

a)

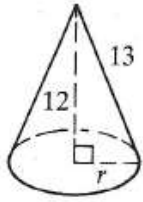


b)



Example # 4: Finding $L.A.$ & $S.A.$ of Cones

a)



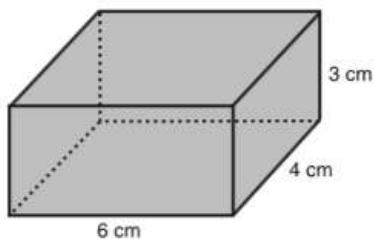
b) A cone has lateral area 100π and surface area 136π . Find its radius.

Graded PRACTICE 3.2: LATERAL & SURFACE AREA

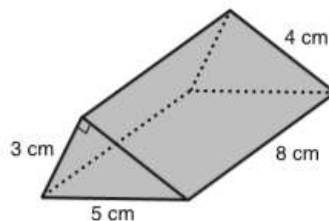
Surface Areas of Prisms and Cylinders

Find the lateral area and the surface area for each solid. Round to the nearest tenth, if necessary.

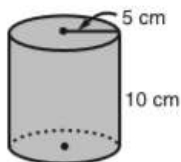
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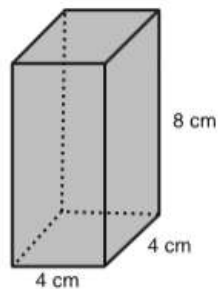
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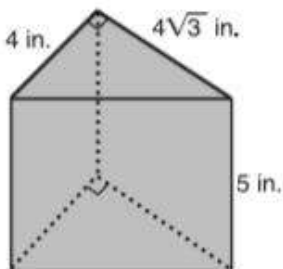
3.



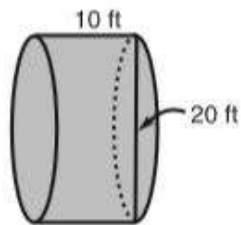
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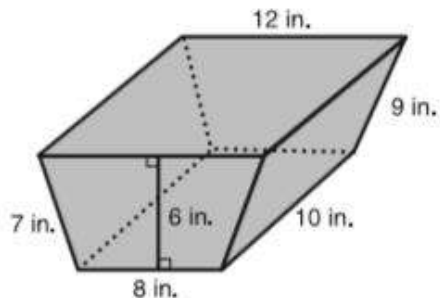
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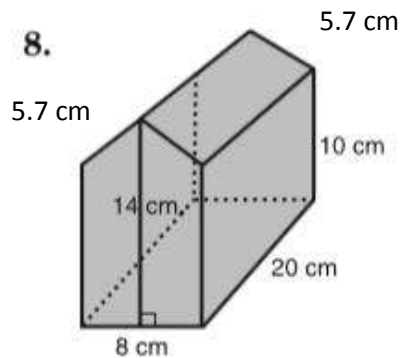
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7.

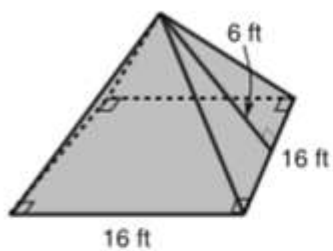


8.

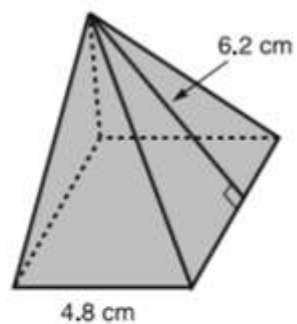


Find the lateral area and the surface area of each regular pyramid or cone. Round to the nearest hundredth.

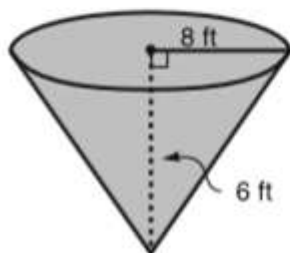
1.



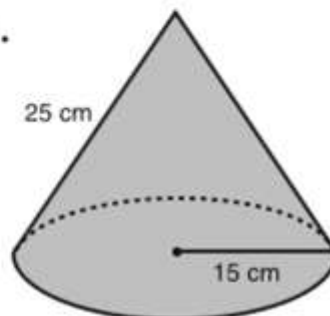
2.



3.



4.



5.

