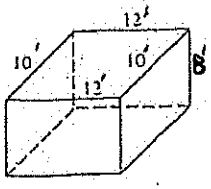
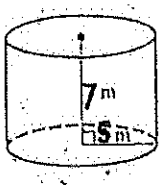
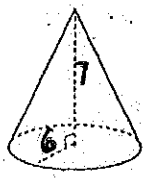
10.4-5 Surface Area RWS Calculator: _____

#1-6, Name the solid diagrammed, then find its surface area.

1. 

2. 

3. 

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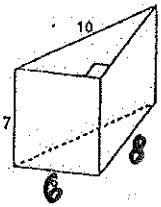
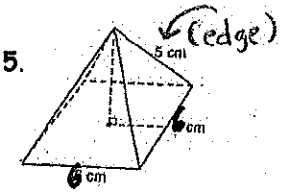
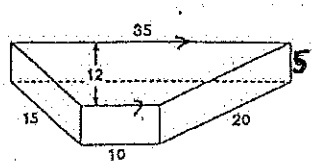
4. 

5. 

6. 

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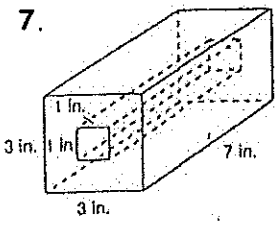
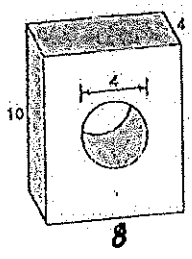
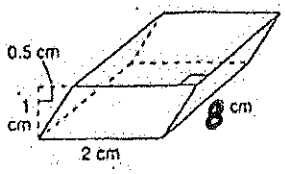
#7-8, Find the surface area of the solid with a hole bored through.

7. 

8. 

#9-10, Find the surface area of the *oblique* prism.

9.



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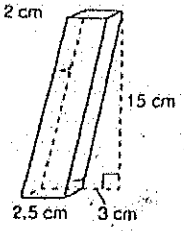
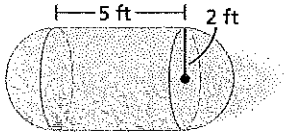
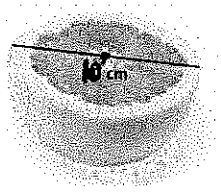


#11-12, Now try some with spheres involved.

11.



12.



#13-14, Can you put it altogether: visualization, algebra and geometry?

13. The radius of a right cylinder is 28 inches and its surfaces area is 5013.98 in^2. What must the height be?

14. The area of one of the bases of a equiangular triangular prism is 8.77 cm^2. The length of one side of the triangle is 4.5 cm. If the surface area of the right prism is 125.54 cm^2, what is the height of the prism?