

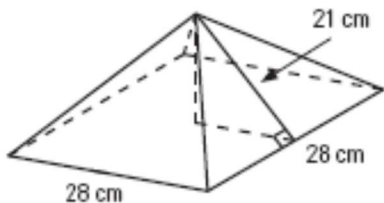
**ASSIGNMENT: Surface Area of  
Pyramids and Cones**

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Round your answers to the nearest hundredth.

1. Find the surface area of the square-based pyramid below.

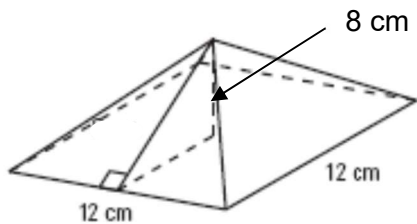


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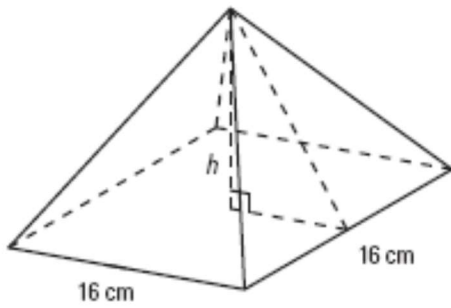
2. Find the total surface area of a square pyramid with a base of 12 cm by 12 cm and a height of 8 cm.

**HINT:**  
You need to use the Pythagorean Theorem to find the slant height!

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3. Find the surface area of the square-based pyramid shown below. The slant height is 13 cm.



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4. Find the surface area of a cone that has a slant height of 82 cm and a radius of 28 cm.

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5. Find the surface area of a cone with a diameter of 13.6 cm and a slant height of 9.8 cm.

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6. Find the surface area of a cone with a radius of 16 inches and a vertical height of 20 inches.

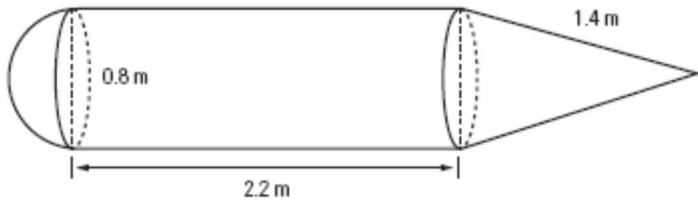
**HINT:**

You need to use the Pythagorean Theorem to find the slant height!

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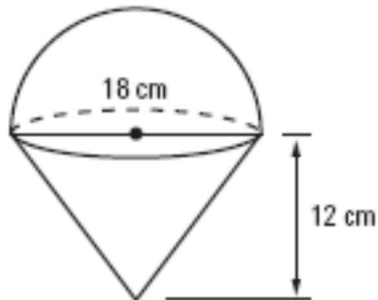
7. Find the surface area the following composite shapes.

a)



\_\_\_\_\_

b)



\_\_\_\_\_

**HINT:**

You need to use the Pythagorean Theorem to find the slant height of the cone!

1. 1960 cm<sup>2</sup> 2. 384 cm<sup>2</sup> (slant height = 10 cm) 3. 672 cm<sup>2</sup>  
 4. 9676.11 cm<sup>2</sup> 5. 354.62 cm<sup>2</sup> 6. 2091.55 in<sup>2</sup> (slant height = 25.61 in)  
 7. a) 8.29 m<sup>2</sup> b) 933.05 cm<sup>2</sup>