Math 9: Unit 5 Measurement Name_____

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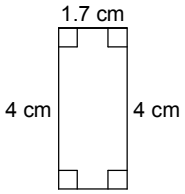
Homework #1 - Perimeter and Area of 2D Figures

Date_____ 5A____

Find the perimeter (if possible) and area of each.

1)



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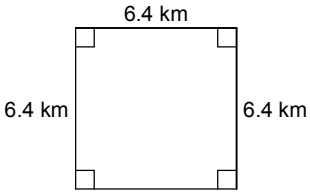

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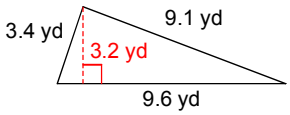

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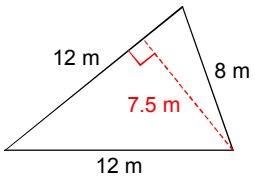

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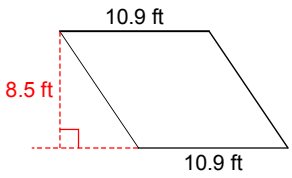

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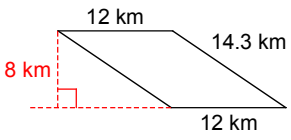

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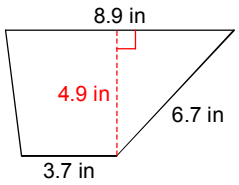
7)



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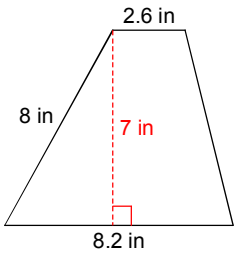
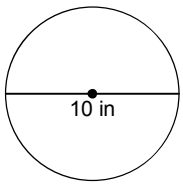


Find the cirumference and area of each circle. Round your answer to the nearest tenth.

9)



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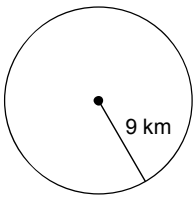

Use the appropriate formula to solve for the missing measurement.

11) A rectangle has a length of 432mm and an area of 657,504 mm squared. What is the width of the rectabgle?

12) A trapezoid has an area of $150m^2$. It has a height of 10m and the top line is 6m. What is the length of the base (bottom line)?

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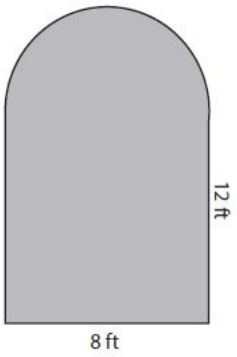
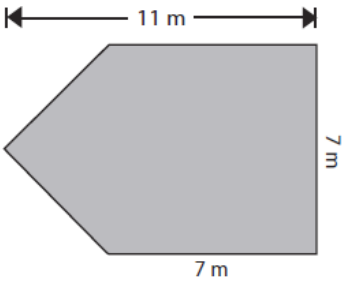
Calculate the area of the compound shapes:

13.

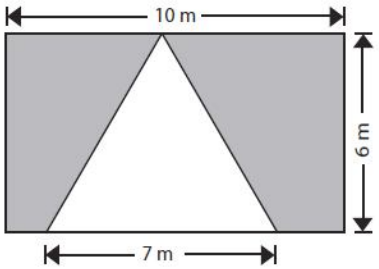


14.

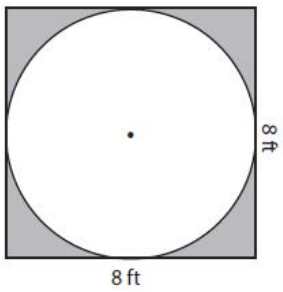


Calculate the area of the shaded regions.

15.



16



Math 9: Unit 5 Measurement Name_____

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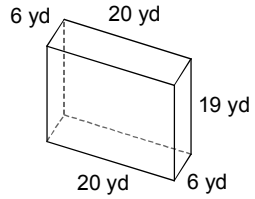
Homework #2 - Rectangular and Triangular Prisms

Date_____ 5A____

Calculate the surface area and volume of each figure.

1)



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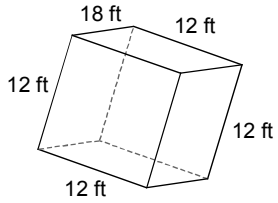

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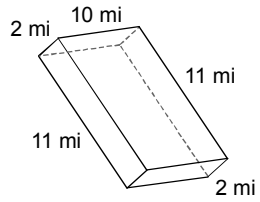

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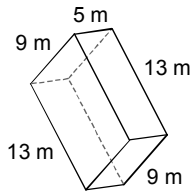

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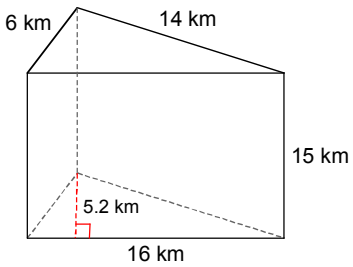
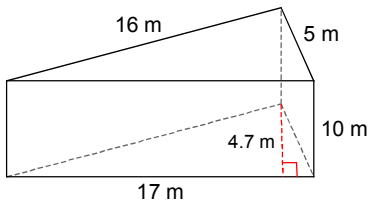
5)



6)



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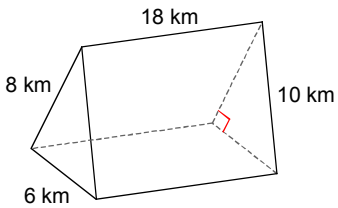

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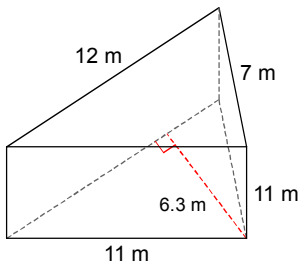

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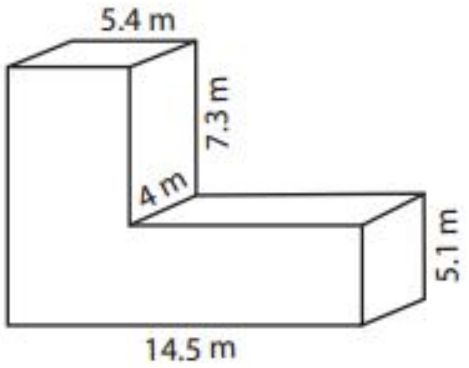
9. Use the appropriate formula to solve for the missing measurement:

Find the height of a triangular prism if it has length of 14ft, a base of 8 ft, and a volume of $336ft^3$.

Find the surface area and the volume of the L-Bock.

10.



Math 9 Unit 5: Measurement Name_____

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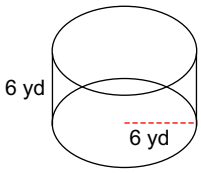
Homework #3 Cylinders and Cones

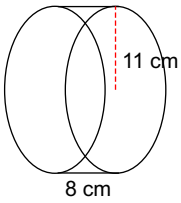
Due Date_____ 5A____

Calculate the surface area and volume of each figure. Round to the nearest tenth.

1)



2)



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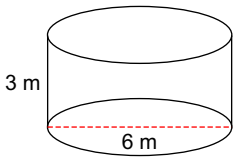

4) A cylinder with a radius of 3 ft surface area of 150.72 ft^2. How tall is the cylinder?

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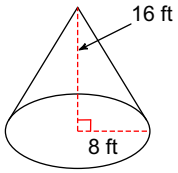
Calculate the surface area and volume of each figure. Round to the nearest tenth.

5)



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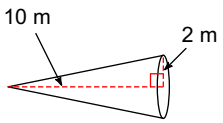

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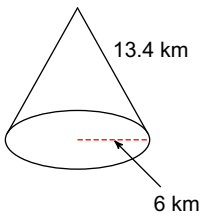

8) What radius would a 12*in* tall cone need to have a volume of 201.96in^2?

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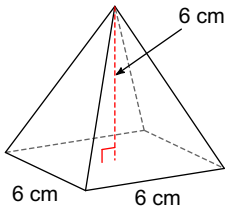
Homework #4 Square Pyramids and Spheres

Due Date_____ 5A____

Calculare the surface area and the volume. Round to the nearest tenth.

1)



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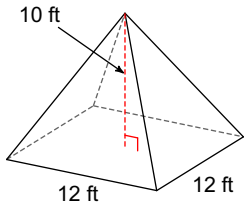

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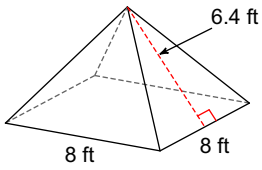

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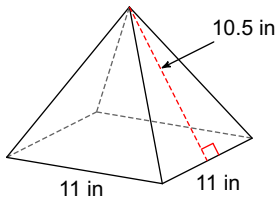

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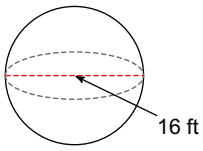

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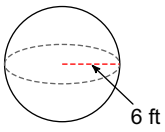

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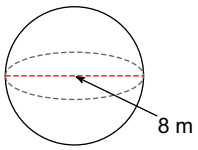

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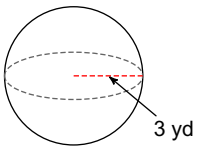

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