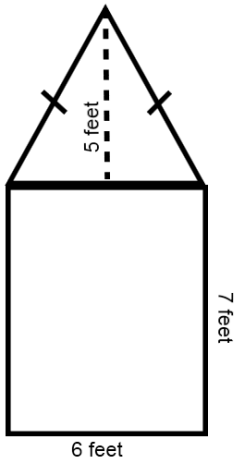
Name:_____Date:_____Lab Day:_____Math Per:_____

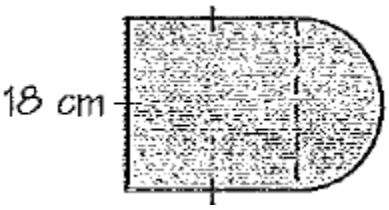
Geometry Formulas Worksheet

Find the perimeter of each figure shown below. Use appropriate formulas when necessary. Be sure to show all of your work.

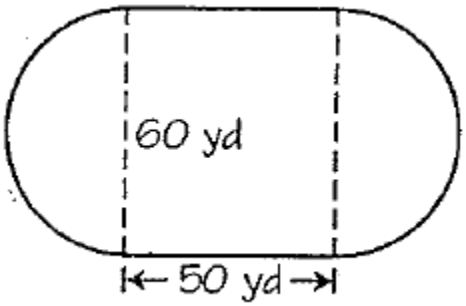
1.



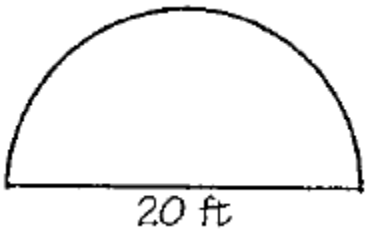
2.



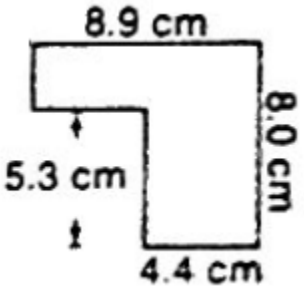
3.



4.

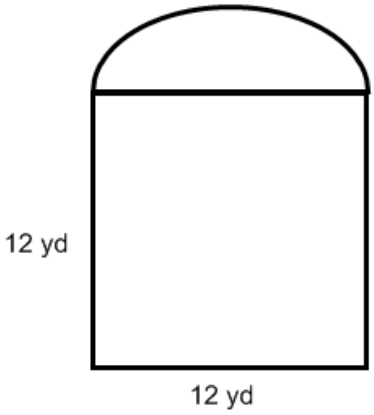


5.

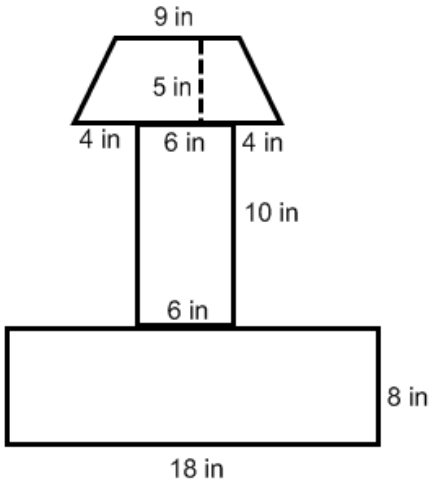


Find the area of each figure shown below. Be sure to use appropriate formulas when necessary and show all of your work. (Assume half circles shown are semi-circles)

6.

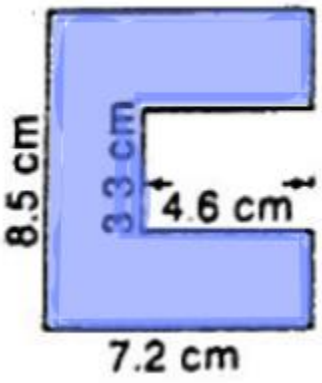


7.



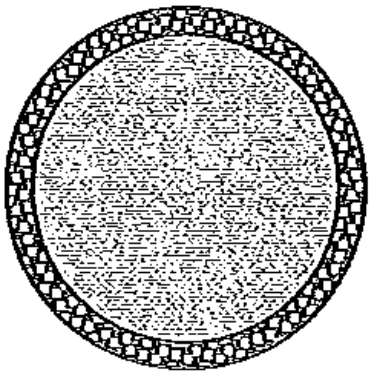
8. Find the area of the *un*shaded region.
Show or explain your work.

9. Find the area of the shaded region.
Show or explain your work.



For numbers 10 – 15, use the information provided to answer the question that is being asked.

10. A circular pond pond 26 yards in diameter is surrounding by a gravel path 2 yards wide.
a) Find the number of square yards of bricks needed for the path.



b) Find the cost of the brick path if bricks cost $50 per square yard.

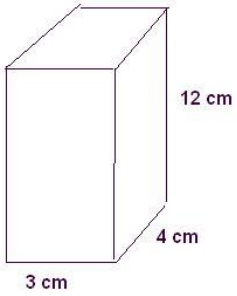
11. A basketball hoop has a circumference of 56.5 inches. What is its diameter?

12. A rectangular prism has a surface area of 790 in^2. If the length of the prims is 10 inches and the height of the prism is 5 inches, find the width of the prism.

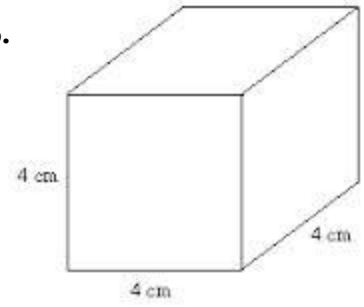
13. The area of trapezoid is 68 in^2. One of the bases is 10 inches and the height of the trapezoid is 4 inches. Find the length of the other base.

For numbers 14 – 15, find the volume of the figure shown below.

14.



15.



For numbers 16 – 17, use the information provided to answer the question.

16. A rectangular prism has a volume of 240 in^3. The length of the box is 16 inches, the width is 3 inches. Find the height of the prism.

17. A cube has a volume of 512 in^3. Find the side length of the cube.