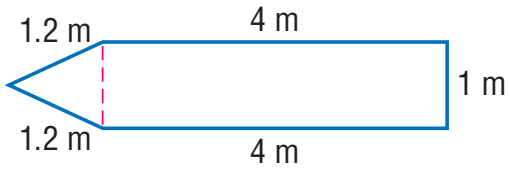
Name:_____

Review - Geometry

Show your work for full marks!

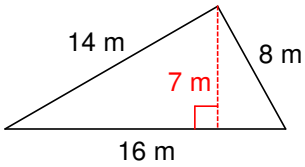
- **Formulas with values substituted**
- **Units**
- **Diagram (if not given)**

1) Calculate the perimeter for the following shape:

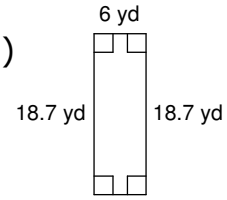


2) For each of the following calculate the perimeter AND area:

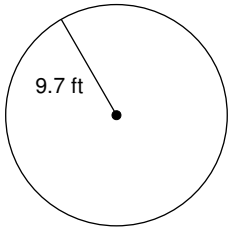
a)



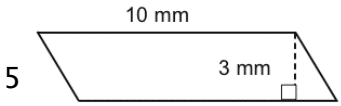
b)



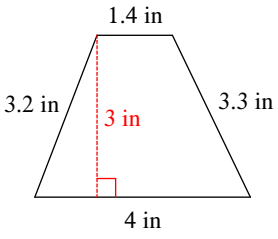
c)



d)



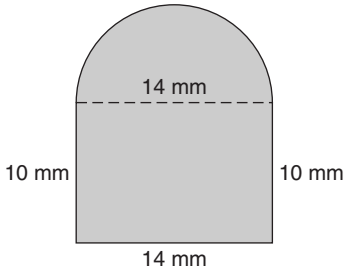
e)



3) A circular pizza has a diameter of 9.5 in. Calculate the area of the pizza.

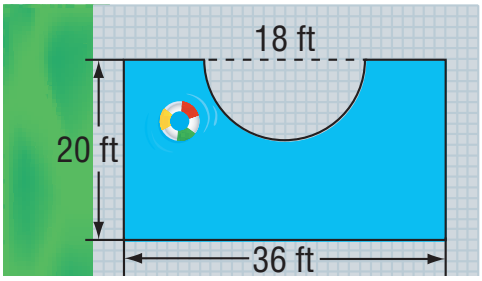
4) A rectangle has an area of $4840\,ft^2$. If the rectangle has a width of 55 ft, what is the length of the rectangle?

5) Calculate the area of the following figure:



6) The school is planning to create a dirt bike track. Suppose it costs $4.99 to cover one square foot of the track with dirt. How much will it cost to cover the track with dirt?

7) The diagram below gives the dimensions of a swimming pool. If a cover is needed for the pool, what will be the approximate area of the cover?



8) An octagon has a side length of 13 ft and an apothem length of 9ft . Calculate the area of the octagon.

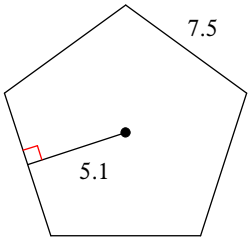
9) A hexagon has a perimeter of 120cm with an apothem length of 17 cm. Calculate the area of the hexagon.

10) A pentagon has an area of 60 mm^2 with an apothem length of 3 mm. Find the length of the sides.

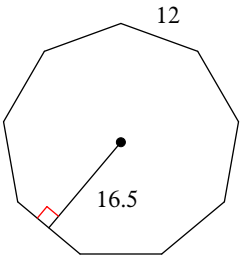
11) A regular polygon with 15 sides has an area of 829 in. If the side length is 8.5 in, find the length of the apothem.

12) Find the area of the following regular polygon:

a)



b)



13) Use the 5-dot one inch grid paper to estimate the area of the following figures: