Apprenticeship Math 12
ASSIGNMENT: More Practice with Perimeter
                                    and Area

Name: _____

Date: _____

1. Calculate the perimeter (or circumference) and area of each shape. Show your work… drawing a sketch may help! Round your answers to the nearest tenth.

    a)   Rectangle   *length = 2.7 m*   perimeter = _____
                            width = 1.9 m

                                            area = _____

    b)   Right   *side 1 = 6.6 inches*   perimeter = _____
          Triangle   *side 2 = 8.8 inches*
                      side 3 = 11 inches   area = _____

    c)   Square   *side length = 5.3 ft*   perimeter = _____

                                              area = _____

    d)   Circle   *diameter = 14.5 cm*   circumference = _____

                                              area = _____

2. A rectangle has an area of 4.2 m^2 and a length of 3.5 m.

    a)   What is the width of the rectangle?   _____

    b)   What is the perimeter of this rectangle?   _____

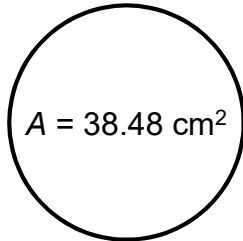3. A square has an area of 7.29 m².

   a) How long is one side of the square?   _____

   b) What is the perimeter of this square?   _____
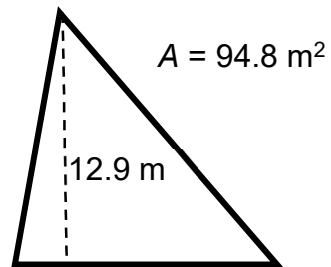
4. Find the missing dimension (round to the nearest tenth).

   a)

   $A = 38.48 \text{ cm}^2$

   r = _____

   b)

   $A = 94.8 \text{ m}^2$

   12.9 m

   base = _____

5. A bricklayer is covering a round playground surface with rubber tiles. The playground has a diameter of 16.4 ft. Each 2 ft² tile costs $13.29. Calculate how much it will cost to cover the playground.

   Note: Only whole tiles can be ordered, so you will need to round your answer up when you calculate how many tiles are needed.