Geometry

Quiz 1

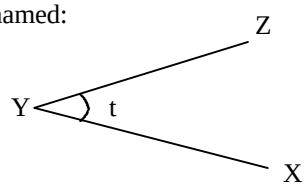
Angles, Length, Perimeter, & Circumference

1.) List three unique ways this angle can be named:

_____

_____

_____



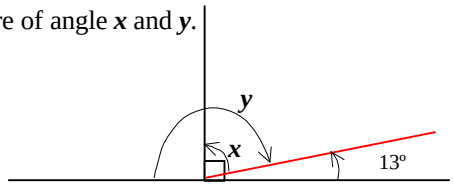
2.) The angle shown below is classified as:

a) Straight angle
b) Right angle
c) Acute angle
d) Obtuse angle

3.) Determine the measure of angle ***x*** and ***y***.

_____

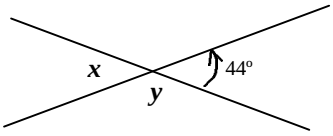
_____



4.) Determine the measure of angle ***x*** and ***y***.

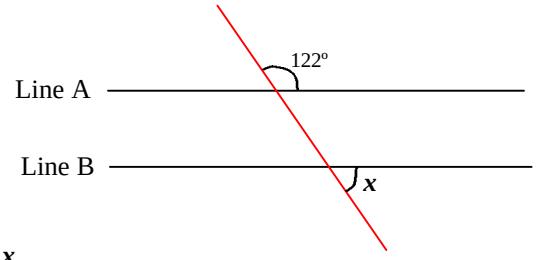
_____

_____



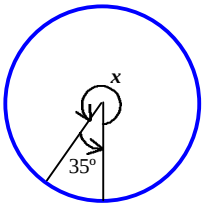
5.) Line A is parallel to Line B. Determine the measure of angle ***x***.

_____



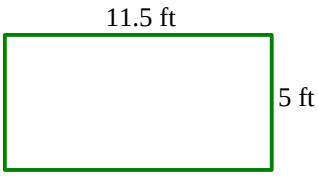
6.) Determine the measure of angle ***x***.

_____



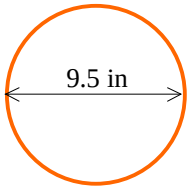
7.) Determine the perimeter (or circumference) of each object. Include the correct units of measure for each answer.

a.)



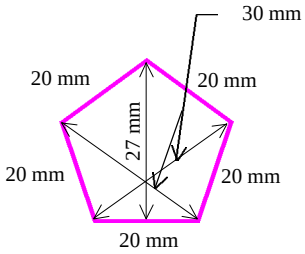
_____

b.)



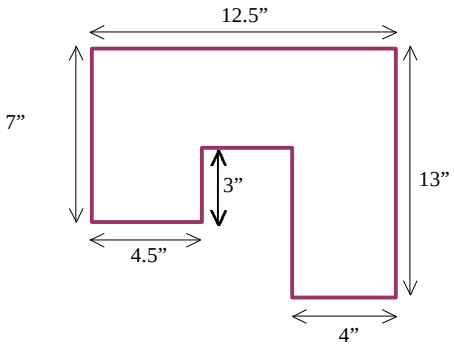
_____

c.)



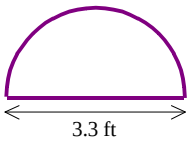
_____

d.)



_____

e.)



_____

Geometry

Quiz 2

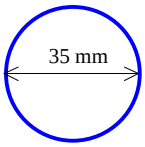
Area

Note: None of the drawings on this quiz are to scale.

1.) Name each object, then determine the area.

When necessary, round your answers to the nearest tenth and include the appropriate units of measure.

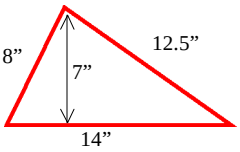
a)



Name of Object: _____

Area: _____

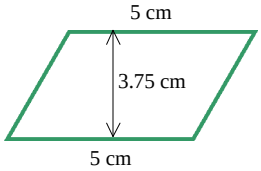
b)



Name of Object: _____

Area: _____

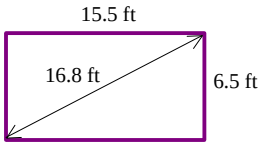
c)



Name of Object: _____

Area: _____

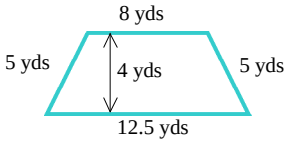
d)



Name of Object: _____

Area: _____

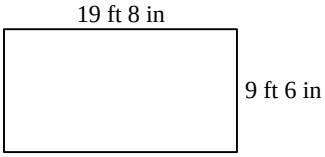
e)



Name of Object: _____

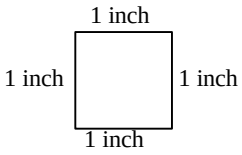
Area: _____

2.) How much will it cost to put new tile on this rectangular shaped floor? The individual tiles cost $1.85 per square foot.



3.) 1 square inch is equal to how many square centimeters? (nearest hundredth)

- Compute this answer using the technique shown in the Geometry chapter, page 33.

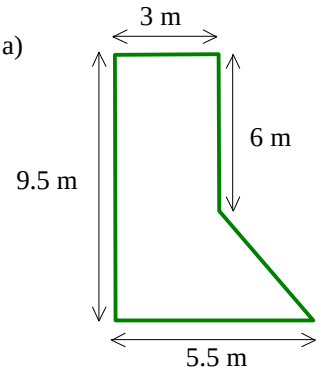


1 square inch = _____ square centimeters

4.) Determine the area of each shape.

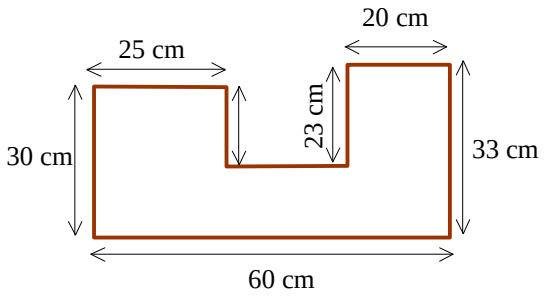
As necessary round your answers to the nearest tenth. Include the appropriate units of measure.

a)



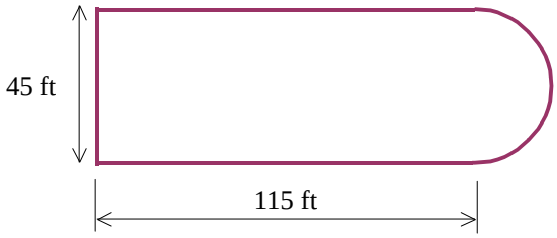
_____

b)



_____

c)

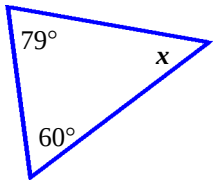


_____

Geometry
Quiz 3
Triangles and Volume

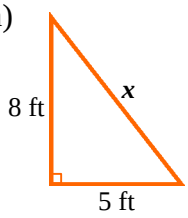
1.) Determine the measure of angle ***x***.

_____



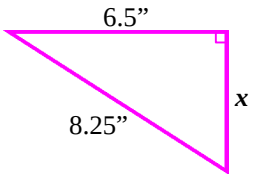
2.) Determine the length of dimension ***x*** in each of the given triangles. As necessary, round your answers to the nearest tenth.

a)



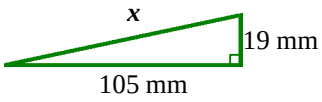
_____

b)



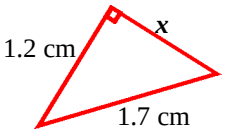
_____

c)



_____

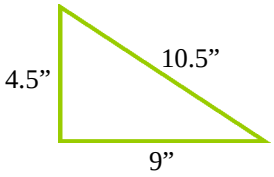
d)



_____

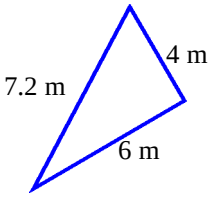
3.) For each triangle shown below, determine if it is a right triangle by using the Pythagorean Theorem.

a)



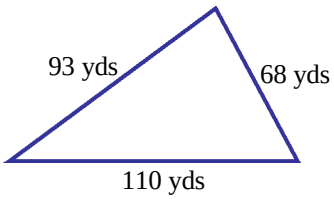
Right Triangle/Not a Right Triangle

b)



Right Triangle/Not a Right Triangle

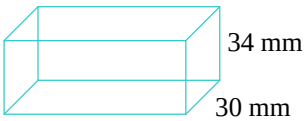
4.) Determine the area of this triangle. Include the appropriate unit of measure, and round your answer to the nearest tenth.



_____

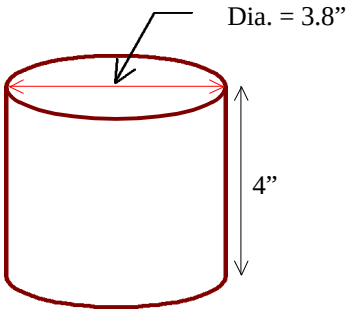
5.) Compute the volume of each shape. Include the correct unit of measure with each answer. Round to the nearest tenth as necessary.

a)



_____

b)



_____

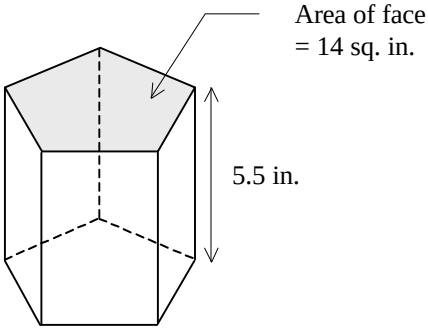
6.) A welder fabricates a rectangular steel tank that is 22” long, 12” tall, and 13” wide.

a) Based on these measurements what is the volume of the tank in cubic inches?

b) What is the volume of the tank expressed in ***gallons***?
Use the fact that *1 gallon = 231 cubic inches*

7.) Determine the volume of this object. Include the correct unit of measure.

_____



Note: A list of some formulas will be provided on the Geometry chapter test. The list includes many area formulas, the Pythagorean Theorem, and Hero's Formula.

You will however be responsible for the following:

- Know how to compute perimeter and circumference.
- Area of a rectangle or square.
- Know how to compute volume.