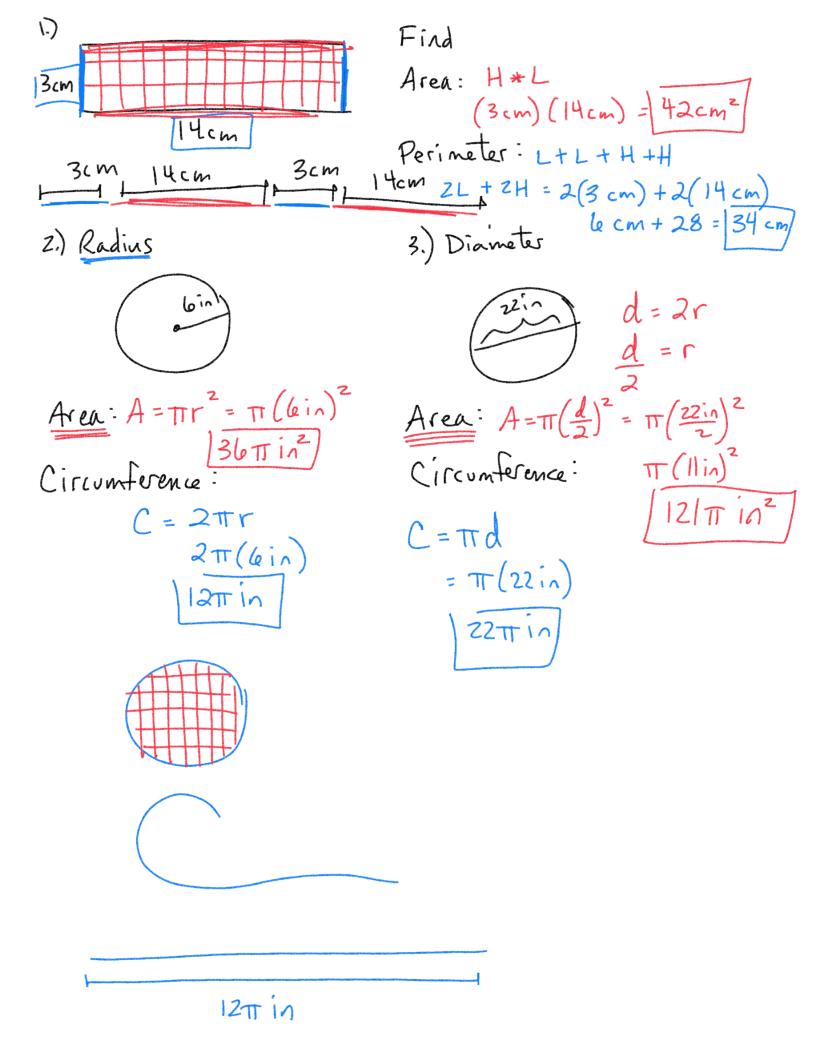
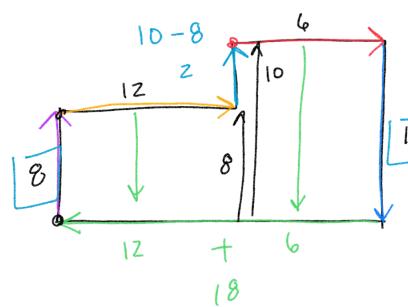
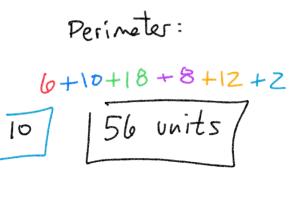
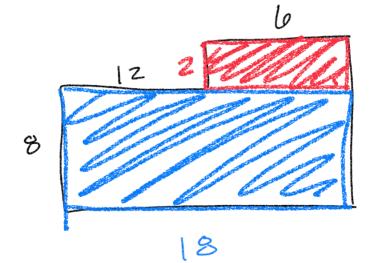
M-G Geometry Week 5 
$$10/9$$
  
Distance and Midpoint Distance  $: d = \sqrt{(X_2 - X_1)^2 + (Y_2 - Y_1)^2}$   
 $(-2, 6)$  and  $(3, -6)$   
 $Midpoint : (X_2 + X_1, Y_2 + Y_1)$   
 $(Averages)$   
 $d = \sqrt{(3 - (-2))^2 + (-6 - 6)^2}$   
 $\sqrt{(3 + 2)^2 + (-6 - 6)^2}$   
 $\sqrt{(3$ 

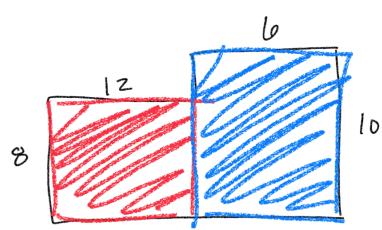




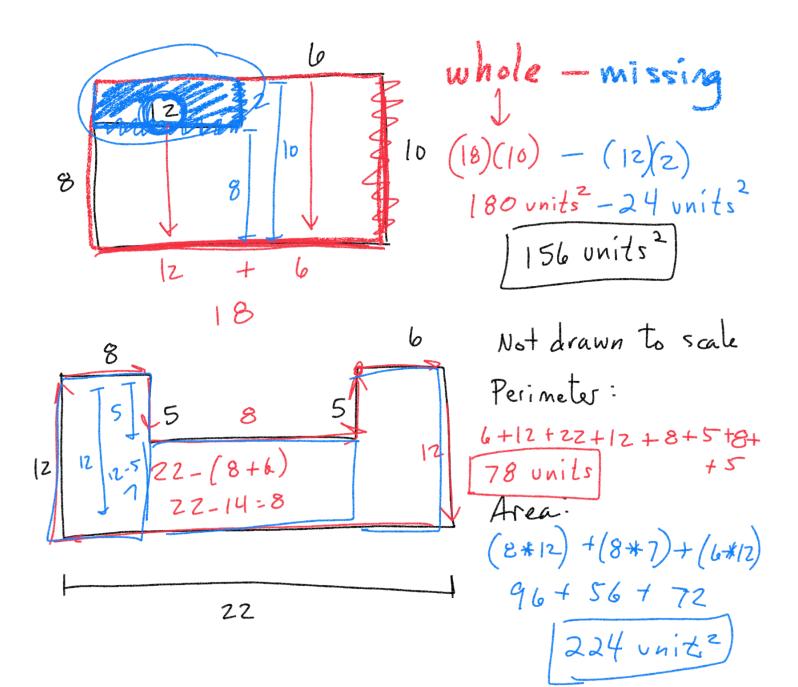




Area:  $Red: (2)(6) = 12 \text{ unifs}^2$   $Blue: (12)(8) = 144 \text{ unifs}^2$  4 $156 \text{ unifs}^2$ 



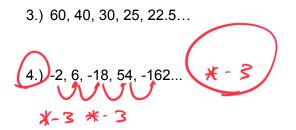
Red:  $(12 * 8) = 96 \text{ units}^2$ Blue:  $(6 * 10) = 60 \text{ units}^2$ + $156 \text{ units}^2$ 



## Geometry Chapter 1 Review

Find a pattern for the following sequences.

1.) 6, 10, 14, 18, 22... 10000 14 44 44 +4 2.) 5, 8, 12, 17, 23...

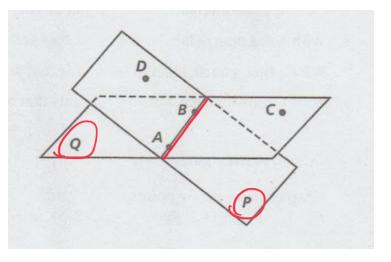


Use the illustration to answer the following.

1.) What is the intersection of planes P and Q?

AB

List two pairs of collinear points.

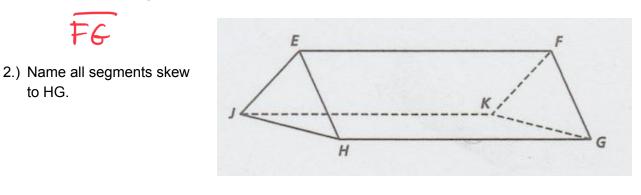


3.) What is the minimum requirement for a plane? Include one from the illustration.

-> 3 noncolllinear points -> 1 line and 1 noncolllinear point. Plane Q ABC Plane P: ABD

Use the illustration to answer the following.

1.) Name all of the segments parallel to EH.



Include proper arrow format for each of the following.

1.) Draw a line segment featuring points A and B.



2.) Draw line CD.



3.) Draw the ray XY.



If AX = 57 find the value of each of the following.

1.) AQ

$$3x + 7 + x + z = 57$$

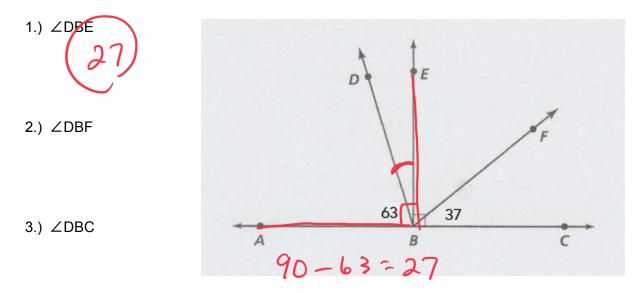
$$4x + 9 = 57$$

$$-9 = -9$$

$$4x = 48$$

$$4x = 12$$

Find the measure of each of the following angles.



FInd the distance between the points.

1.) (2, 4) and (-6, 7)

$$d = \int (x_2 - x_1)^2 + (y_2 - y_1)^2$$

x + 2

0

2.) (-1, -5) and (4, 7)

3.) (-7, 0) and (-3, 2)

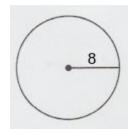
Find the midpoint of each segment.

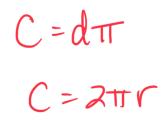
1.) A (6, 7), B (-4, 1)

 $X_1 + X_2$ 

2.) C (5, -3), D (-9, 2)

Find the circumference of the circle in terms of  $\pi$ .





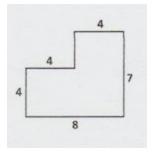
Find the perimeter and area of a rectangle when:

b = 8 cm, h = 6 cm

A= bh

P=2b+2h

FInd the perimeter and area for the following figure.



Find the area of the circle in terms of  $\pi$ .

 $A = \pi \left(\frac{d}{2}\right)^2$ 

\$ 200