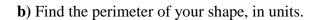
Assigned Thursday 1/23, due Friday 2/7 (Two weeks due to end of semester)

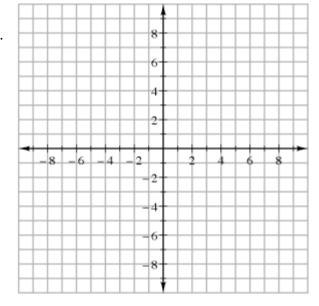
No Work Shown, No Credit Given

Period

1. Plot the following points, and connect them in order. (4, 0), (4, -4), (-6, -4), (-6, 3), (0, 3), (0, 0), and (4, 0).

a) Find the area of your shape, in square units.





2. Find the distance between each pair of points.

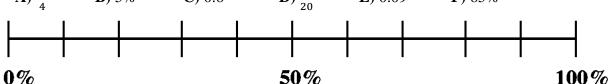
a)
$$(2, -9)$$
 and $(-10, -9)$ b) $(-8, 6)$ and $(-8, 12)$

b)
$$(-8, 6)$$
 and $(-8, 12)$

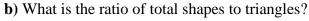
3. Label the following numbers on the line below.



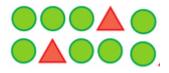
D)
$$\frac{1}{20}$$



4. a) What is the ratio of triangles to circles?



c) What percent of the shapes are circles?



5. a)
$$-3 + 7$$

b)
$$-10 + -10$$

c)
$$-8 + 11$$

d)
$$5 + -12$$

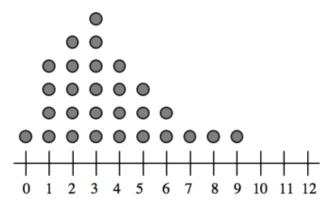
$$f) - |-6|$$

$$(-4)$$

5. a)
$$-3 + 7$$
 b) $-10 + -10$ c) $-8 + 11$ d) $5 + -12$ e) $|-12|$ f) $-|-6|$ g) $-(-4)$ h) $|-4 + -3 + -2|$

6. a) List the numbers in order from the stem and leaf plot to the right.

b) Make a new stem and leaf plot for this data set: 31, 31, 43, 47, 61, 66, 68, 70.



- 7. Corincia created the dot plot above to show the number of televisions owned by each family on her city block.
- a) What is the most common number of television sets a family on Corincia's block has?
- **b)** How many families live on Corinicia's block?
- c) Do all the families on Corincia's block own a television set? Explain how you know.
- **d)** How many families own *more* than 4 television sets?
- **8.** Make a portion web for each number: **a)** 150%
- **b**) $\frac{19}{20}$
- **c**) 0.2
- **d)** 2%

9. Complete the ratio table.

Boys	3	6		18
Girls	2		6	

Please show your work for #10 - 14.

- **10.** Make a generic rectangle, and find the product.
 - **a**) (23)(45)
- **b**) 9 · 142
- **11. a)** 800 2.92
- **b**) $6.3 \div 5$
- c) 1.84 + 42 + 29.1 d) $7.7 \div 6$

- **12.** a) $777\frac{7}{12} + 33\frac{3}{4}$ **d**) $2000\frac{5}{8} 1999\frac{3}{4}$
- **13.** a) 75²

- **b**) 7^3 **c**) 3^4 **d**) 100^2
- 14. Find the shaded area.

