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

## No Work Shown, No Credit Given

Period $\qquad$

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.
b) Find the perimeter of your shape, in units.
2. Find the distance between each pair of points.
a) $(2,-9)$ and $(-10,-9)$
b) $(-8,6)$ and $(-8,12)$

3. Label the following numbers on the line below.
A) $\frac{3}{4}$
B) $5 \%$
C) 0.6
D) $\frac{1}{20}$
E) 0.09
F) $65 \%$

4. a) What is the ratio of triangles to circles?
b) What is the ratio of total shapes to triangles?
c) What percent of the shapes are circles?

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) $9 \cdot 142$
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) $75^{2}$
b) $7^{3}$
c) $3^{4}$
d) $100^{2}$
14. Find the shaded area.

