Kerry Ojakian's MTH 28.5 Class
Class Assignment #1

1. Among the following numbers, circle the integers:

$$32,\ -20,\ 1/4,\ -2/3,\ 3.5,\ -4,\ 4\frac{2}{3}, -3\frac{1}{3}$$

2. Among the following numbers, circle the rationals which are **not** integers:

$$32,\ -20,\ 1/4,\ -2/3,\ 3.5,\ -4,\ 4\frac{2}{3}, -3\frac{1}{3}$$

3. Draw the number line and place the following numbers on it in order:

$$4,\ -3,\ 2,\ -1,\ 10,\ -5,\ 3$$

4. What is the largest of the the numbers from question 3?
5. What is the smallest of the the numbers from question 3?
6. How many numbers from question 3 are negative?
7. Draw the number line and place the following numbers on it:

$$3,\ -3,\ 1/2,\ -1/3,\ 3.25,\ -4.25,\ 3\frac{2}{3}, -3\frac{2}{3}$$

8. What is the largest of the the numbers from question 7?
9. What is the smallest of the the numbers from question 7?
10. How many numbers from question 7 are positive?
11. What number is not positive and not negative?

Label each statement True or False:

12. $4 < 9$
13. $-9 < -4$
14. $30 = 30$
15. $-10 = 10$
16. $3 \leq 5$
17. $5 \leq 5$
18. $5 < 5$
19. $63 \geq 62.5$

20. $--8 =$
21. $---2 =$
22. $|12.37| =$
23. $|-1| =$
24. $|---33| =$
25. $|0| =$

26. Find any positive integer less than 4. How many positive integers less than 4 can you find?

27. Find any positive rational (which is not an integer) less than 4. How many positive rationals less than 4 can you find?