Real Numbers -

Real Numbers can be broken down into:

_____ –

_____ –

Symbols of Inequality (Order) -

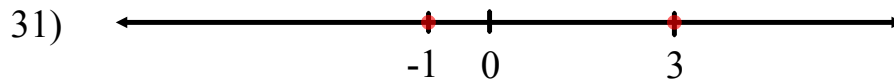Write a number to represent each situation. (pg 33)
Then write the opposite of that situation and write a number to represent it.

1) Five steps down

Translate each statement into symbols.

15) Six is greater than negative nine.

State two inequalities, one with > and one with <, for the coordinates of the points shown in color.

31)

-1 0   3

Complete using one of the symbols < or > to make a true statement.

41) 6 ___ 5 + 4

Graph the given numbers on a number line. Draw a separate line for each exercise. ~~Then list the numbers in increasing order.~~

47) 1, 2, -2, -1

Definitions: Opposite -

Absolute Value -

Simplify. (pg 38)

7) 6 + [- (-2)]   15) $\left|-0.7\right| + \left|-3.3\right|$

Solve each equation over the set of real numbers. If there is no solution, explain why there is none.

*) $\left|x\right| = 7$ *) $\left|x\right| = -5$

Evaluate each expression if $a = 1.5$, $b = -2$.

39) $\left|a\right| + \left|b\right|$

Assignment:
   The Classic 1-8
      2-54 every 4th (2,6,10, etc)
   The Classic 1-9
      2-44 even