Notes for Week 4:

- Instead of having a new assignment each day, this is an assignment for the entire week. It is due on Friday, May 15th.
- Submit the assignment on Schoology like you have been doing.
- Office hours and the methods to contact me are the same.

Part 1: Solving Radical Equations

1. $\sqrt{x-9}=5$

2. $\sqrt{3x}=6$

3. $\sqrt{x+3}=x+1$

4. $\sqrt{(15x+10)}=2x+3$

5. $(x+4)^{\frac{1}{2}}=6$

6. $(45-9x)^{\frac{1}{2}}=x-5$

7. $(x-6)^{\frac{1}{2}}=x-2$

8. $4(x-2)^{\frac{1}{2}}=(x+13)^{\frac{1}{2}}$

Part 2: Solve each absolute value equation.

1) $9\left|6n+5\right|-3=96$

2) $8+2\left|8p+8\right|=72$

3) $7\left|2-n\right|-9=75$

4) $3\left|-5-6n\right|+10=13$

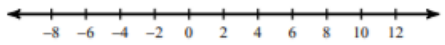
5) $-10\left|2-5n\right|+1=-119$

6) $5-5\left|2k-8\right|=-45$

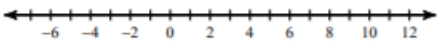
7) $-5\left|6n-6\right|-9=-39$

8) $-3-3\left|9+2b\right|=-6$

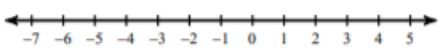
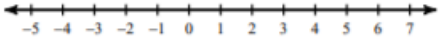
9) $-7+\left|9x-9\right|\le 74$



10) $\left|4x-7\right|-4\ge 21$



11) $\dfrac{\left|6x-9\right|}{7}>-1$



12) $2\left|4+v\right|<-14$