Classwork # 2 Inequalities and Compound Inequalities

Solve and Graph the following inequalities:

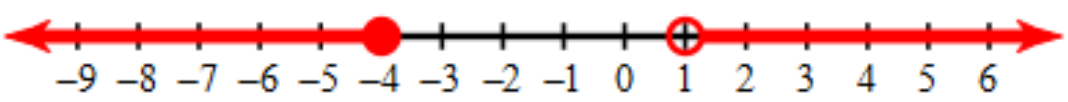
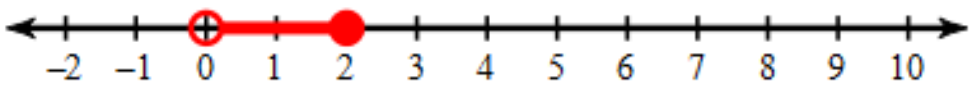
1. $2x \le 12$	2. $4-3x \le -11$
3. $-2(4-x) \ge -(x+2)$	
4. $-10 \le x-8 < 2$	
5. $-7k+6<20$ or $-3-8k \ge 61$	

Solve the following absolute value equations:

6. $\lvert 2x-3 \rvert = 6$
7. $3\left\lvert \frac{1}{2}x-3 \right\rvert - 2 = 7$

For the following Write the inequality that represents the Graphed Solution:

8.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