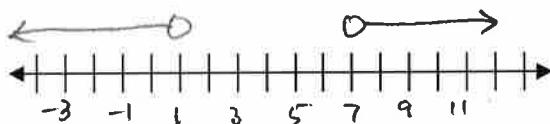


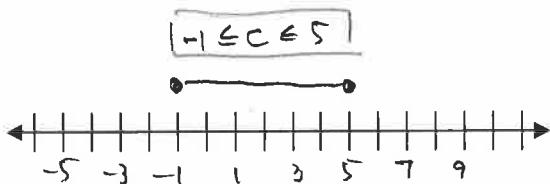
3-7 Absolute Value Equations & Inequalities

Solve each and graph the solutions.

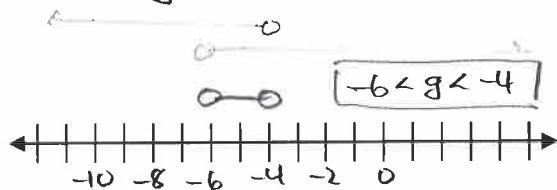
1. $|k - 4| > 3$
 $k - 4 > 3 \text{ or } k - 4 < -3$
 $k > 7 \text{ or } k < 1$



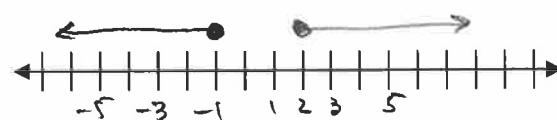
3. $|6 - 3c| \leq 9$
 $6 - 3c \leq 9 \text{ and } 6 - 3c \geq -9$
 $-3c \leq 3 \quad -3c \geq -15$
 $c \geq -1 \text{ and } c \leq 5$



2. $|5 + g| < 1$
 $5 + g < 1 \text{ and } 5 + g > -1$
 $g < -4 \text{ and } g > -6$



4. $|4n - 2| \geq 6$
 $4n - 2 \geq 6 \text{ or } 4n - 2 \leq -6$
 $4n \geq 8 \quad 4n \leq -4$
 $n \geq 2 \text{ or } n \leq -1$



5. $2 + 3|x + 4| = 8$
 $3|x + 4| = 6$
 $|x + 4| = 2$

$x + 4 = 2 \text{ or } x + 4 = -2$
 $x = -2 \text{ or } x = -6$

