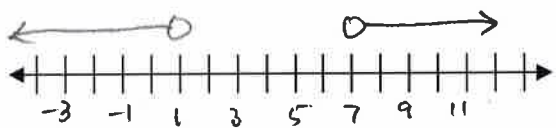




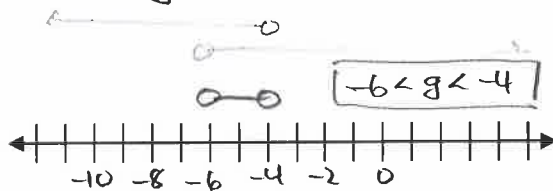
3-7 Absolute Value Equations & Inequalities

Solve each and graph the solutions.

1. $|k - 4| > 3$
 $k - 4 > 3$ or $k - 4 < -3$
 $k > 7$ or $k < 1$

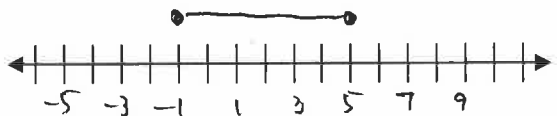


2. $|5 + g| < 1$
 $5 + g < 1$ and $5 + g > -1$
 $g < -4$ and $g > -6$

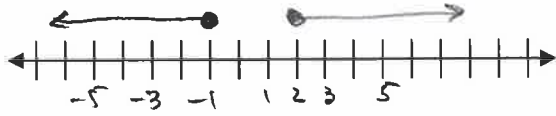


3. $|6 - 3c| \leq 9$
 $6 - 3c \leq 9$ and $6 - 3c \geq -9$
 $-3c \leq 3$ $-3c \geq -15$
 $c \geq -1$ and $c \leq 5$

$-1 \leq c \leq 5$



4. $|4n - 2| \geq 6$
 $4n - 2 \geq 6$ or $4n - 2 \leq -6$
 $4n \geq 8$ $4n \leq -4$
 $n \geq 2$ or $n \leq -1$



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

$x + 4 = 2$ or $x + 4 = -2$
 $x = -2$ or $x = -6$

