

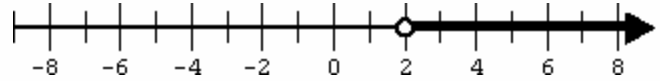
# Solving Linear Inequalities 1 - KEY

**SOLVE** the following inequalities and **GRAPH** the solution on the number line.

1)  $4x + 1 > 9$

$$4x > 8$$

$$x > 2$$



2)  $2x + 3 \leq 11$

$$2x \leq 8$$

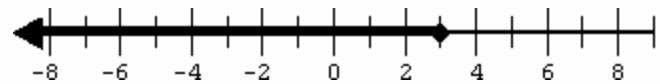
$$x \leq 4$$



3)  $3 - 4x \geq -9$

$$-4x \geq -12$$

$$x \leq 3$$



4)  $3 > x - 4$

$$7 > x$$

$$x < 7$$



5)  $x + 1 \leq 2x + 7$

$$1 \leq x + 7$$

$$-6 \leq x$$

$$x \geq -6$$

