

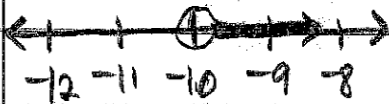
# Linear Inequalities

Solve and graph each inequality.

$$1) x + 7 > -3$$

$$\underline{-7 \quad -7}$$

$$x > -10$$



$$2) -8 \geq m - 12$$

$$\underline{+12 \quad +12}$$

$$4 \geq m$$



$$3) 3y + 8 < -4$$

$$\underline{-8 \quad -8}$$

$$\underline{\frac{3y}{3} < \frac{-12}{3}}$$

$$y < -4$$



$$4) -2p + 7 \geq 3$$

$$\underline{-7 \quad -7}$$

$$\underline{\frac{-2p}{-2} \geq \frac{-4}{-2}}$$

$$p \leq 2$$



The direction of the inequality symbol is reversed when multiplying or dividing by a negative #