

Substitute  $x = 1$  and  $y = -4$  into each inequality and simplify:

$$1 - 2(-4) < 4 \text{ or } 9 < 4 \text{ FALSE}$$

$$-4 > -2(1) - 5 \text{ or } -4 > -7 \text{ TRUE}$$

For an ordered pair to be a solution of a system it must be a solution of both inequalities.