

\* Is  $(3, 2)$  a solution of both  
 $3y + 2x = 12$   
and  $x - 4y = -5$  ?

$$\begin{aligned} 3y + 2x &= 12 \\ 3(2) + 2(3) &= 12 \\ 6 + 6 &= 12 \\ 12 &= 12 \\ \text{yes} \end{aligned}$$

$$\begin{aligned} x - 4y &= -5 \\ 3 - 4(2) &= -5 \\ 3 - 8 &= -5 \\ -5 &= -5 \\ \text{yes} \end{aligned}$$

yes  $(3, 2)$  is a solution  
of both equations.

