

\*  $3x + 2y = 12$

Find the missing coordinate for each of the following ordered pairs if each ordered pair is a solution.

$(2, \underline{\quad})$   
 $\boxed{x=2} \rightarrow y=?$

$$3x + 2y = 12$$

$$3(2) + 2y = 12 \quad \text{can be solved for } y$$

$$\begin{array}{r} 6 + 2y = 12 \\ -6 \quad -6 \\ \hline \end{array}$$

$$\frac{2y}{2} = \frac{6}{2}$$

$$\boxed{y = 3}$$

$$\boxed{(2, 3)}$$

$(\underline{\quad}, 4)$

$x=? \quad \underline{y=4}$

$$3x + 2y = 12$$

$$3x + 2(4) = 12$$

$$3x + 8 = 12$$

$$\begin{array}{r} 3x + 8 = 12 \\ -8 \quad -8 \\ \hline \end{array}$$

$$\frac{3x}{3} = \frac{4}{3}$$

$$x = \frac{4}{3}$$

$$\boxed{\left(\frac{4}{3}, 4\right)}$$