

Name: _____

Find the point of intersection of the lines $y = 7 - 2x$ and $y = x - 3$

$$y = y$$

$$7 - 2x = x - 3$$

$$10 = 3x$$

$$\frac{10}{3} = x$$

$$x = \frac{10}{3} \rightarrow \text{either equation}$$

$$x = \frac{10}{3} \rightarrow y = x - 3$$

$$y = \frac{10}{3} - 3$$

$$y = \frac{10}{3} - \frac{9}{3}$$

$$y = \frac{1}{3}$$

$$\left(\frac{10}{3}, \frac{1}{3} \right)$$