

Name:

Determine the point of intersection of the straight lines $x - y = -5$ and $2x + 3y = -10$.

(a) $x - y = -5$ $\times 2$: $\begin{array}{r} \square - \square = \square \rightarrow \textcircled{1} \\ - \square + \square = \square \rightarrow \textcircled{2} \\ \hline \end{array}$

$2x + 3y = -10$

$\textcircled{1} - \textcircled{2}$ $\begin{array}{r} \square - \square = \square + \square \\ y = \square \end{array}$

Substitute $y = \square$ in $x - y = -5$

$$\begin{array}{r} \square - \square = \square \\ x = \square \end{array}$$

Hence, the intersection point is (\square, \square)