

ELIMINATION

$$\rightarrow \begin{cases} 3x + y = 2 \\ x - 2y = 10 \end{cases}$$

$$\begin{array}{r} 3x + y = 2 \\ + \quad -3x + 6y = -30 \\ \hline 7y = -28 \\ \frac{7}{7} \quad \frac{7}{7} \\ \hline \boxed{y = -4} \end{array}$$

$$\begin{array}{r} 3x - 4 = 2 \\ + 4 + 4 \\ \hline 3x = 6 \\ \frac{3}{3} \quad \frac{6}{3} \\ \hline \boxed{x = 2} \end{array}$$

one solution
 $(2, -4)$