

## Solving by elimination

$$\begin{array}{l}
 7 = 7 \\
 14 = 14 \\
 19 = 19 \\
 33 = 33
 \end{array}
 \quad (3) \quad
 \begin{array}{l}
 2x + y = 18 \\
 x - 3y = -26 \\
 \hline
 6x + 3y = 54
 \end{array}
 \quad (3)$$

$$7x = 28$$

$$x = 4$$

$$\begin{array}{r}
 2x + y = 18 \\
 -2x + 6y = +52 \\
 \hline
 7y = 70 \\
 y = 10
 \end{array}$$

$$\begin{array}{l}
 2(4) + y = 18 \\
 8 + y = 18 \\
 y = 10
 \end{array}$$

$$4x - 3y = -17$$

$$-4(x + 2y) = -37$$

$$\begin{array}{r} 4x - 3y = -17 \\ -4x + 8y = -148 \end{array}$$

$$\begin{array}{r} -11y = -165 \\ \hline -11 \end{array} \quad \begin{array}{r} -165 \\ \hline -11 \end{array}$$

$$x + 2(15) = 37$$

$$x + 30 = 37 - 30$$

$$y = 15 \quad x = 7$$