

Simultaneous Equations : 2

Solve algebraically

$$\begin{aligned} 1) \quad y &= 10x^2 - 5x - 2 \\ y &= 2x - 3 \end{aligned}$$

$$\begin{aligned} 2) \quad y - 3 &= 2x \\ y + 7 &= x^2 - x \end{aligned}$$

$$\begin{aligned} 3) \quad x^2 + y^2 &= 25 \\ 2y + x &= 10 \end{aligned}$$

$$\begin{aligned} 4) \quad y &= x \\ y^2 &= 4x \end{aligned}$$

$$\begin{aligned} 5) \quad xy &= 64 \\ 4x - y &= 60 \end{aligned}$$

$$\begin{aligned} 6) \quad x - 3y &= 8 \\ x^2 - 3y^2 &= 22 \end{aligned}$$

$$\begin{aligned} 7) \quad 2x - 5y &= 3 \\ 2xy + y^2 &= 9 \end{aligned}$$

$$\begin{aligned} 8) \quad 2x - 3y &= 3 \\ 2x^2 + 3y^2 &= 21 \end{aligned}$$

$$\begin{aligned} 9) \quad 2x + 3y &= 8 \\ x^2 + y^2 &= 5 \end{aligned}$$

$$\begin{aligned} 10) \quad 3x - 2y &= 4 \\ x^2 - y^2 &= 3 \end{aligned}$$