

Simultaneous Equations : 1

Solve

$$1) \quad \begin{aligned} y &= 4x + 1 \\ y &= x^2 + 8x + 4 \end{aligned}$$

$$2) \quad \begin{aligned} y + x &= x^2 \\ y - 6 &= 4x \end{aligned}$$

$$3) \quad \begin{aligned} y - 10 &= x^2 + 3x \\ y - 7 &= 7x \end{aligned}$$

$$4) \quad \begin{aligned} x^2 + y^2 &= 34 \\ y &= x + 2 \end{aligned}$$

$$5) \quad \begin{aligned} x^2 + y^2 &= 25 \\ 3x - 5 - y &= 0 \end{aligned}$$

$$6) \quad \begin{aligned} x^2 + y^2 &= 85 \\ 4x + y &= 17 \end{aligned}$$

$$7) \quad \begin{aligned} y + 2x &= 4 \\ y &= x^2 + x \end{aligned}$$

$$8) \quad \begin{aligned} x &= 2y \\ x^2 - y^2 + xy &= 20 \end{aligned}$$

$$9) \quad \begin{aligned} x + 2y &= -3 \\ x^2 - 2x + 3y^2 &= 11 \end{aligned}$$

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