

Simultaneous Equation Past Year Paper

Question 1)

Solve the simultaneous equations (SPM 2000)

$$\begin{aligned}3x - 5 &= 2y \\ y(x + y) &= x(x + y) - 5\end{aligned}$$

Question 2)

L5. Solve the simultaneous equations : (SPM 2002)

$$\begin{aligned}x + y - 3 &= 0 \\ x^2 + y^2 - xy &= 21\end{aligned}$$

Question 3)

Solve the simultaneous equations : (SPM 2003)

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

Question 4)

Solve the simultaneous equations $p - m = 2$ and $p^2 + 2m = 8$. Give your answers correct to three decimal places . (SPM 2004)

Question 5)

Solve the simultaneous equations $2x + y = 1$ and $2x^2 + y^2 + xy = 5$. Give your answers correct to three decimal places . (SPM 2006)

Question 6)

Solve the simultaneous equations

$$x + \frac{1}{2}y = 1 \text{ and } y^2 - 10 = 2x$$