

Maths Assignment

Q1. Factorise the following :-

i) $4x^3y - 44x^2y + 112xy$

ii) $(x+1)^6 - (x-1)^6$

iii) $21x^2 - 59xy + 40y^2$

iv) $x^3 + 3x^2 + 3x - 7$

Q2. Solve the following simultaneous linear equation.

$$97x + 53y = 177$$

$$53x + 97y = 573$$

Q3. Solve $2x - \frac{3}{y} = 9$, $3x + \frac{7}{y} = 2$. Hence find the value of k if $x = ky + 5$.