

Question 1

What is the greatest common factor of: $22x^5y^7 - 14x^3y^8 + 18x^6y^4$?

Question 2

Factor completely: $2y^3 + y^2 + 8y^2 + 4y$.

Question 3

Solve : $0 = x^2 - 11x - 60$

Question 4

Factor completely: $64y^3 - 27$

Question 5

Factor completely: $8x^2 + 14x - 30$

Question 6

Factor: $4x^2 - 25$

Question 7

Solve: $x^3 + 3x^2 - 4x - 12 = 0$

Question 8

The area of a rectangle is defined by its length times its width. Given the area of a rectangle is represented by the expression $x^2 + 7x + 10$, find two expressions to represent the length and width of the rectangle.