

Quadratic Relations. - Factorising and Sketching

For the following quadratic relations, factorise and determine the x- intercepts.
Then determine the axis of symmetry, y-axis, and vertex and use to Sketch the relation.

1) $y = x^2 - 4x - 21$

2) $y = x^2 + 5x + 6$

3) $y = x^2 - 8x + 15$