



Grade 9

Mathematics

Trinomials

Question 1: Factorise these trinomials

1. $x^2 + 7x + 6$
2. $y^2 + 4y + 4$
3. $r^2 - 8r - 9$
4. $m^2 - 7m - 18$
5. $x^2 - x - 42$
6. $q^2 - 4q - 45$
7. $n^2 + 10n + 24$
8. $t^2 + t - 90$
9. $z^2 + 2z - 24$
10. $k^2 - 13k + 40$

Question 2: Factorise these trinomials, taking out common factors first

1. $w^3 + 3w^2 + 2w$
2. $5x^2 - 25x - 30$
3. $3ax^2 + 21ax - 24a$
4. $7x^3 + 7x^2 - 42$
5. $2x^2 - 4x - 70$