

# Quadratic Expressions, Double Brackets, Factorising and Changing the Subject

Year 10 · Algebra · y10-alg-substitute — Answer Key

Teacher / parent use only — matches the question numbers in the companion \_WS file.

## Practice

---

1.  $x^2 + 8x + 15$  /  $x^2+8x+15$  /  $x^2+8x+15$
2.  $(x + 3)(x + 4)$  /  $(x+3)(x+4)$  /  $(x + 4)(x + 3)$  /  $(x+4)(x+3)$
3.  $x^2 + 4x - 12$  /  $x^2+4x-12$  /  $x^2+4x-12$
4.  $(x - 4)(x - 5)$  /  $(x-4)(x-5)$  /  $(x - 5)(x - 4)$  /  $(x-5)(x-4)$
5.  $x = (y - 7)/3$  /  $(y-7)/3$  /  $x=(y-7)/3$
6.  $x^2 + x - 12$  /  $x^2+x-12$  /  $x^2+x-12$
7.  $(x + 2)(x + 3)$  /  $(x+2)(x+3)$  /  $(x + 3)(x + 2)$  /  $(x+3)(x+2)$
8.  $x = y/2 - 5$  /  $y/2-5$  /  $x=y/2-5$

## Challenge

---

1.  $x^2 - 9$  /  $x^2-9$  /  $x^2-9$
2.  $2(x + 2)(x + 3)$  /  $2(x+2)(x+3)$  /  $2(x + 3)(x + 2)$  /  $2(x+3)(x+2)$