

1. (a) Expand and simplify $(x + 4)(x - 2)$

(a)

(b) Expand and simplify $(x + 2)(x - 4)$

(b)

(c) Factorise $x^2 + 14x - 15$

(c)

(d) Factorise $x^2 + 2x - 15$

(d)

(e) Factorise $x^2 - 14x - 15$

(e)

(f) Factorise $x^2 - 2x - 15$

(f)

(g) Factorise $x^2 + 3x - 10$

(g)

(h) Factorise $y^2 - 6y - 7$

(h)

(i) Factorise $x^2 + 2x - 3$

(i)

Answers a) $x^2 + 2x - 8$; b) $x^2 - 2x - 8$; c) $(x + 15)(x - 1)$; d) $(x + 5)(x - 3)$

e) $(x + 1)(x - 15)$; f) $(x + 3)(x - 5)$; g) $(x + 5)(x - 2)$; h) $(y - 7)(y + 1)$; i) $(x + 3)(x - 1)$