

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)  $(x + 3)(x - 1)$