

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

(a)

(b) Factorise $p^2 - 4$

(b)

(c) Expand and simplify $(m + 3)(m - 3)$

(c)

(d) Factorise $y^2 - 9$

(d)

(e) Factorise $n^2 - 100$

(e)

(f) Factorise $x^2 - 16$

(f)

(g) Factorise $y^2 - 25$

(g)

(h) Factorise $q^2 - 36$

(h)

(i) Factorise $x^2 - 64$

(i)

Answers a) $x^2 - 4$; b) $(p + 2)(p - 2)$; c) $m^2 - 9$; d) $(y + 3)(y - 3)$

e) $(n + 10)(n - 10)$; f) $(x + 4)(x - 4)$; g) $(y + 5)(y - 5)$; h) $(q + 6)(q - 6)$; i) $(x + 8)(x - 8)$