

Algebra - General Factorising

Q1

Factorise.

(i) $x^2 - 8x$

.....

(a)(i) _____ [1]

(ii) $6x^3 + 10xy^3$

.....

.....

(ii) _____ [2]

(iii) $4x^2 - y^2$

.....

(iii) _____ [2]

Q2

Factorise fully

$$6x^2 + 9xy$$

.....

(2)

Factorise completely.

$$4a + 2ac$$

(2)

Algebra - General Factorising

Q1

Factorise.

(i) $x^2 - 8x = x(x - 8)$

.....
(a)(i) $x(x - 8)$ [1]

(ii) $6x^3 + 10xy^3 = 2x(3x^2 + 5y^3)$

.....
(ii) $2x(3x^2 + 5y^3)$ [2]

(iii) $4x^2 - y^2$ Difference of two squares
 $(2x)^2 - y^2 = (2x + y)(2x - y)$

.....
(iii) $(2x + y)(2x - y)$ [2]

Q2

Factorise fully

$$6x^2 + 9xy = 3x(2x + 3y)$$

.....
(2)

Factorise completely.

$$4a + 2ac = 2a(2 + c)$$

(2)