## Difference of Two Squares

Factorise:

(a) $x^2 - 4$     (b) $b^2 - 49$

(c) $y^2 - 9$     (d) $x^2 - 1$

(e) $x^2 - 64$     (f) $x^2 - 100$

(g) $a^2 - 144$     (h) $x^2 - 225$

(i) $100 - x^2$     (j) $16 - y^2$

Factorise:

(a) $4x^2 - 25$     (b) $4y^2 - 49$

(c) $16x^2 - 1$     (d) $9x^2 - y^2$

(e) $25 - 4b^2$     (f) $25y^2 - 81$

(g) $100x^2 - 9$     (h) $16x^2 - 25$

(i) $a^2x^2 - 16$     (j) $121x^2 - 64y^2$

Factorise:

(a) $2x^2 - 50$     (b) $2d^2 - 32$

(c) $10x^2 - 10$     (d) $10x^2 - 250$

(e) $5x^2 - 45y^2$     (f) $5y^2 - 80$

(g) $8x^2 - 32$     (h) $8x^2 - 128$

(i) $20a^2 - 5b^2$     (j) $75x^2 - 27$

Factorise:

(a)    $x^3 - 25x$

(b)    $x^4 - 49$

(c)    $100x^2 - x^6$

(d)    $4x^5 - 9x^9$

(e)    $8x^3 - 50xy^2$

(f)    $72a^2b^3 - 98b^9$