Solutions – Vertex of Quadratic Graphs (A)

Find the coordinates of the vertex of $y = 2x^2 - 8x + 5$.

$(2, -3)$

Find the coordinates of the vertex of $y = (x - 4)^2 + 1$.

$(4, 1)$

Find the coordinates of the vertex of $y = (x - 2)(x - 4)$.

$(3, -1)$

Solutions – Vertex of Quadratic Graphs (B)

Find the coordinates of the vertex of $y = (x + 5)^2 + 5$.

$(-5, 5)$

Find the coordinates of the vertex of $y = (x - 4)(x + 6)$.

$(-1, -25)$

Find the coordinates of the vertex of $y = -x^2 - 2x - 4$.

$(-1, -3)$

Solutions – Vertex of Quadratic Graphs (C)

Find the coordinates of the vertex of $y = (x - 1)(x + 3)$.

$(-1, -4)$

Find the coordinates of the vertex of $y = x^2 + 6x + 12$.

$(-3, 3)$

Find the coordinates of the vertex of $y = 2(x + 3)^2 - 5$.

$(-3, -5)$

Solutions – Vertex of Quadratic Graphs (D)

Find the coordinates of the vertex of $y = (x + 4)(x - 6)$.

$(1, -25)$

Find the coordinates of the vertex of $y = x^2 - 2x$.

$(1, -1)$

Find the coordinates of the vertex of $y = 2(x - 4)^2 - 6$.

$(4, -6)$

Solutions – Vertex of Quadratic Graphs (E)

Find the coordinates of the vertex of $y = x^2 - 2x + 6$.

(1, 5)

Find the coordinates of the vertex of $y = (x - 5)^2 - 2$.

(5, −2)

Find the coordinates of the vertex of $y = (x - 3)(x + 3)$.

(0, −9)

Solutions – Vertex of Quadratic Graphs (F)

Find the coordinates of the vertex of $y = (x + 2)(x - 1)$.

$(-0.5, -2.25)$

Find the coordinates of the vertex of $y = (x - 1)^2 - 6$.

$(1, -6)$

Find the coordinates of the vertex of $y = x^2 - 4x + 6$.

$(2, 2)$

Solutions – Vertex of Quadratic Graphs (G)

Find the coordinates of the vertex of $y = x^2 - 8x + 16$.

(4, 0)

Find the coordinates of the vertex of $y = (x - 5)(x + 2)$.

(1.5, −12.25)

Find the coordinates of the vertex of $y = (x + 4)^2 - 3$.

(−4, −3)

Solutions – Vertex of Quadratic Graphs (H)

Find the coordinates of the vertex of $y = (x + 4)^2 + 1$.

(–4, 1)

Find the coordinates of the vertex of $y = (x + 5)(x + 2)$.

(–3.5, –2.25)

Find the coordinates of the vertex of $y = x^2 + 2x + 4$.

(–1, 3)

Solutions – Vertex of Quadratic Graphs (I)

Find the coordinates of the vertex of $y = (x + 2)^2 + 4$.

$(-2, 4)$

Find the coordinates of the vertex of $y = (x - 3)(x - 6)$.

$(4.5, -2.25)$

Find the coordinates of the vertex of $y = x^2 + 2x + 4$.

$(-1, 3)$

Solutions – Vertex of Quadratic Graphs (J)

Find the coordinates of the vertex of $y = (x - 6)(x - 0)$.

(3, −9)

Find the coordinates of the vertex of $y = x^2 + 8x + 14$.

(−4, −2)

Find the coordinates of the vertex of $y = (x - 3)^2 + 4$.

(3, 4)