Name

Quadratic Equation Standard Form to Vertex (Coefficient 1)

1 Complete the square and convert this to vertex form to find the vertex

$$y = x^2 + 4x + 3$$

A	(2, -1)	B	(1, -1)
C	(-2, 1)	D	(-2, -1)
E	(1, -2)	F	(-1, -2)

2 Complete the square and convert this to vertex form to find the vertex

$$y = x^2 + 6x + 12$$

A	(-3, -3)	B	(3, 3)
C	(-3, 3)	D	(3, -3)
E	(1, 3)	F	(1, -3)

3 Complete the square and convert this to vertex form to find the vertex

$$y = x^2 - 4x + 6$$

A	(1, 2)	B	(-2, 2)
C	(2, 2)	D	(2, -2)

4 Complete the square and convert this to vertex form to find the vertex

$$y = x^2 + 8x + 14$$

A	(-4, 2)	B	(4, -2)
C	(-2, -4)	D	(1, -2)
E	(1, -4)	F	(-4, -2)

5 Complete the square and convert this to vertex form to find the vertex

$$y = x^2 - 4x + 2$$

A	(1, -2)	B	(-2, -2)
C	(2, 2)	D	(-2, 2)
E	(2, -2)	F	(1, 2)

6 Complete the square and convert this to vertex form to find the vertex

$$y = x^2 - 6x + 12$$

A	(-3, 3)	B	(3, -3)
C	(1, 3)	D	(3, 3)

7 Complete the square and convert this to vertex form to find the vertex

$$y = x^2 - 8x + 13$$

A	(-4, -3)	B	(4, 3)
C	(-3, 4)	D	(4, -3)
E	(1, 4)	F	(1, -3)

8 Complete the square and convert this to vertex form to find the vertex

$$y = x^2 + 8x + 15$$

A	(-1, -4)	B	(4, -1)
C	(1, -1)	D	(1, -4)
E	(-4, -1)	F	(-4, 1)