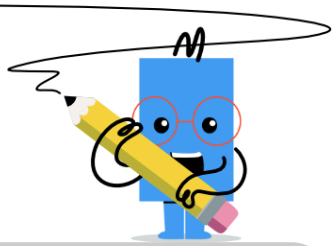
Name

Quadratic Equation Standard Form to Vertex (Coefficient 1)



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

$$y = x^2 - 8x + 12$$

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

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

$$y = x^2 + 6x + 10$$

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

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

$$y = x^2 - 8x + 20$$

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

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

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

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

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

$$y = x^2 - 6x + 10$$

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

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

$$y = x^2 - 4x + 8$$

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

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

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

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

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

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

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