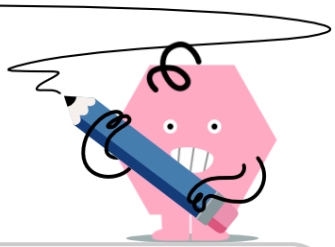
Name

Quadratic Equation Standard Form to Vertex (Coefficient N)



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

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

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

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

$$y = 4x^2 - 16x + 12$$

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

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

$$y = 4x^2 - 24x + 39$$

A	(4, 3)	B	(-3, 3)
C	(3, 3)	D	(3, -3)

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

$$y = 5x^2 + 10x + 4$$

A	(5, -1)	B	(-1, 1)
C	(1, -1)	D	(-1, -1)

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

$$y = 5x^2 - 40x + 81$$

A	(4, -1)	B	(4, 1)
C	(-4, 1)	D	(1, 4)
E	(5, 4)	F	(5, 1)

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

$$y = 5x^2 - 40x + 83$$

A	(5, 3)	B	(3, 4)
C	(4, 3)	D	(5, 4)
E	(4, -3)	F	(-4, 3)

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

$$y = 5x^2 + 40x + 76$$

A	(5, -4)	B	(-4, 4)
C	(-4, -4)	D	(4, -4)

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

$$y = 3x^2 + 6x + 4$$

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