



Quadratic Equation Complete Square - To Fully Complete (Coefficient -1)



1 Complete the square to factor this polynomial

$$y = -1x^2 + 2x + 1$$

A $y = -1(x + 1)^2 + 2$

B $y = (x - 1)^2 + 2$

C $y = -1(x - 1)^2 - 2$

D $y = -1(x - 1)^2 + 2$

2 Complete the square to factor this polynomial

$$y = -1x^2 + 2x + 2$$

A $y = -1(x - 1)^2 - 3$

B $y = (x - 1)^2 + 3$

C $y = (x + 1)^2 - 3$

D $y = -1(x - 1)^2 + 3$

3 Complete the square to factor this polynomial

$$y = -1x^2 + 4x - 7$$

A $y = -1(x - 2)^2 + 3$

B $y = -1(x - 2)^2 - 3$

C $y = (x - 2)^2 + 3$

D $y = -1(x + 2)^2 - 3$

4 Complete the square to factor this polynomial

$$y = -1x^2 + 8x - 20$$

A $y = (x - 4)^2 - 4$

B $y = (x + 4)^2 + 4$

C $y = -1(x - 4)^2 + 4$

D $y = -1(x - 4)^2 - 4$

5 Complete the square to factor this polynomial

$$y = -1x^2 + 6x - 8$$

A $y = -1(x + 3)^2 + 1$

B $y = -1(x - 3)^2 + 1$

C $y = -1(x - 3)^2 - 1$

D $y = (x - 3)^2 + 1$

6 Complete the square to factor this polynomial

$$y = -1x^2 - 2x - 2$$

A $y = -1(x + 1)^2 - 1$

B $y = -1(x + 1)^2 + 1$

C $y = (x - 1)^2 + 1$

D $y = (x - 1)^2 - 1$

7 Complete the square to factor this polynomial

$$y = -1x^2 - 8x - 19$$

A $y = -1(x - 4)^2 + 3$

B $y = -1(x + 4)^2 - 3$

C $y = (x + 4)^2 + 3$

D $y = (x - 4)^2 - 3$

8 Complete the square to factor this polynomial

$$y = -1x^2 - 8x - 17$$

A $y = (x + 4)^2 + 1$

B $y = (x + 4)^2 - 1$

C $y = -1(x + 4)^2 - 1$

D $y = -1(x - 4)^2 - 1$