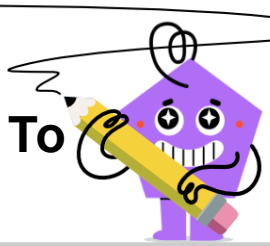
Name

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



1 Complete the square to be ready to factor this polynomial

$$y = x^2 + 8x + 19$$

A $y = (x^2 + 8x + 16) - 16 + 19$

B $y = (x^2 + 8x + 16) + 16 + 19$

C $y = (x^2 + 8x + 16) + 14 + 19$

D $y = (x^2 + 8x + 11) - 16 + 19$

E $y = (x^2 + 8x + 16) - 13 + 19$

2 Complete the square to be ready to factor this polynomial

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

A $y = (x^2 - 8x + 16) + 16 + 13$

B $y = (x^2 - 8x + 17) - 16 + 13$

C $y = (x^2 - 8x + 16) - 16 + 13$

D $y = (x^2 - 8x + 16) - 20 + 13$

E $y = (x^2 - 4x + 16) - 16 + 13$

3 Complete the square to be ready to factor this polynomial $y = x^2 - 4x + 1$

A $y = (x^2 - 4x + 6) - 4 + 1$

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

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

D $y = (x^2 - 4x + 8) - 4 + 1$

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

4 Complete the square to be ready to factor this polynomial $y = x^2 - 2x$

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

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

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

D $y = (x^2 - 2x + 1) - 6$

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

5 Complete the square to be ready to factor this polynomial $y = x^2 - 4x$

A $y = (x^2 - 4x + 5) - 4$

B $y = (x^2 - 5x + 4) - 4$

C $y = (x^2 - 4x + 4) + 9$

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

E $y = (x^2 - 4x + 4) + 4$

6 Complete the square to be ready to factor this polynomial $y = x^2 - 2x - 3$

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

B $y = (x^2 - 6x + 1) - 1 - 3$

C $y = (x^2 - 2x + 6) - 1 - 3$

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

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

7 Complete the square to be ready to factor this polynomial $y = x^2 + 2x + 3$

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

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

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

D $y = (x^2 + 2x + 1) + 5 + 3$

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

8 Complete the square to be ready to factor this polynomial $y = x^2 + 2x - 1$

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

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

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

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

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