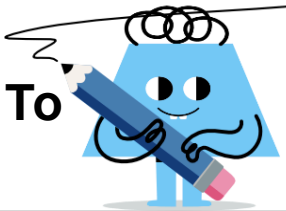
Name

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



**1** Complete the square to be ready to factor this polynomial

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

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

B $y = -1(x^2 - 0x + 4) + 4 - 2$

C $y = -1(x^2 + 4x + 7) + 4 - 2$

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

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

**2** Complete the square to be ready to factor this polynomial

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

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

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

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

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

**3** Complete the square to be ready to factor this polynomial

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

A $y = -1(x^2 - 8x + 16) - 13 - 20$

B $y = -1(x^2 - 8x + 16) + 20 - 20$

C $y = -1(x^2 - 8x + 16) - 16 - 20$

D $y = -1(x^2 - 8x + 16) + 16 - 20$

E $y = -1(x^2 - 8x + 16) - 18 - 20$

**4** Complete the square to be ready to factor this polynomial

$$y = -1x^2 - 6x - 11$$

A $y = -1(x^2 + 3x + 9) + 9 - 11$

B $y = -1(x^2 + 6x + 9) + 8 - 11$

C $y = -1(x^2 + 6x + 9) + 9 - 11$

D $y = -1(x^2 + 6x + 9) - 9 - 11$

E $y = -1(x^2 + 6x + 10) + 9 - 11$

**5** Complete the square to be ready to factor this polynomial

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

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

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

C $y = -1(x^2 - 2x - 0) + 1 - 2$

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

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

**6** Complete the square to be ready to factor this polynomial

$$y = -1x^2 - 6x - 7$$

A $y = -1(x^2 + 6x + 9) - 4 - 7$

B $y = -1(x^2 + 6x + 9) + 9 - 7$

C $y = -1(x^2 + 6x + 9) + 8 - 7$

D $y = -1(x^2 + 6x + 11) + 9 - 7$

E $y = -1(x^2 + 6x + 9) - 9 - 7$

**7** Complete the square to be ready to factor this polynomial

$$y = -1x^2 + 8x - 13$$

A $y = -1(x^2 - 8x + 12) + 16 - 13$

B $y = -1(x^2 - 8x + 16) + 15 - 13$

C $y = -1(x^2 - 8x + 16) + 16 - 13$

D $y = -1(x^2 - 8x + 14) + 16 - 13$

E $y = -1(x^2 - 8x + 16) - 16 - 13$

**8** Complete the square to be ready to factor this polynomial

$$y = -1x^2 - 8x - 14$$

A $y = -1(x^2 + 8x + 16) + 16 - 14$

B $y = -1(x^2 + 12x + 16) + 16 - 14$

C $y = -1(x^2 + 8x + 15) + 16 - 14$

D $y = -1(x^2 + 8x + 16) - 16 - 14$

E $y = -1(x^2 + 3x + 16) + 16 - 14$