



Quadratic Equation Complete Square - Partially to Fully Complete (Coefficient -1)

1 Solve the square polynomial to finish factoring

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

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 Solve the square polynomial to finish factoring

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

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

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

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

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

3 Solve the square polynomial to finish factoring

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

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

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

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

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

4 Solve the square polynomial to finish factoring

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

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

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

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

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

5 Solve the square polynomial to finish factoring

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

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

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

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

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

6 Solve the square polynomial to finish factoring

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

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

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

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

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

7 Solve the square polynomial to finish factoring

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

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

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

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

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

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

Solve the square polynomial to finish factoring

A

B

C

D

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

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

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

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