

mobius

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



- Solve the square polynomial to finish factoring
- Solve the square polynomial to finish factoring

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

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

y	_	(x^{-})	— <i>Z</i>	+x	+	4)	_	4

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

$$egin{array}{ll} {\sf A} & y = -1(x-2)^2 - 4 \ {\sf C} & y = (x-2)^2 - 4 \ \end{array}$$

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

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

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

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

- 3 Solve the square polynomial to finish factoring
- 4 Solve the square polynomial to finish factoring

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

$$y = (x^2 + 4x + 4) - 4 + 6y = (x^2 + 6x + 9) - 9 + 11$$

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

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

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

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

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

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

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

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

- 5 Solve the square polynomial to finish factoring
- 6 Solve the square polynomial to finish factoring

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

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

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

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

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

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

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

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

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

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

- 7 Solve the square polynomial to finish factoring
- 8 Solve the square polynomial to finish factoring

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

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

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

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

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

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

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

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

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

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