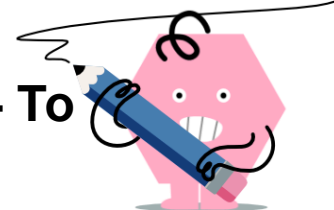# mobius

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

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1 Complete the square to factor this polynomial

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

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

2 Complete the square to factor this polynomial

$$y = -4x^2 + 32x - 66$$

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

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3 Complete the square to factor this polynomial

$$y = -2x^2 - 4x - 6$$

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

4 Complete the square to factor this polynomial

$$y = -2x^2 - 16x - 29$$

A	$y = -2(x+4)^2 + 3$	B	$y = 2(x+4)^2 + 3$
C	$y = -2(x-4)^2 - 3$	D	$y = -2(x+4)^2 - 3$

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5 Complete the square to factor this polynomial

$$y = -3x^2 - 24x - 52$$

A	$y = 3(x+4)^2 - 4$	B	$y = -3(x+4)^2 - 4$
C	$y = -3(x+4)^2 + 4$	D	$y = -3(x-4)^2 - 4$

6 Complete the square to factor this polynomial

$$y = -2x^2 - 8x - 11$$

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

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7 Complete the square to factor this polynomial

$$y = -3x^2 - 12x - 11$$

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

8 Complete the square to factor this polynomial

$$y = -3x^2 - 24x - 46$$

A	$y = -3(x+4)^2 - 2$	B	$y = 3(x+4)^2 + 2$
C	$y = -3(x+4)^2 + 2$	D	$y = -3(x-4)^2 + 2$

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