Name

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

1 Solve the square polynomial to finish factoring

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

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

2 Solve the square polynomial to finish factoring

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

A	$y = 5(x+1)^2 - 2$	B	$y = 5(x+1)^2 + 2$
C	$y = 5(x-1)^2 - 2$	D	$y = -5(x-1)^2 + 2$

3 Solve the square polynomial to finish factoring

$$y = 3(x^2 + 6x + 9) - 27 + 30$$

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

4 Solve the square polynomial to finish factoring

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

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

5 $y = 3(x^2 + 8x + 16) - 48 + 52$

Solve the square polynomial to finish factoring

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

6 $y = 3(x^2 - 8x + 16) - 48 + 47$

Solve the square polynomial to finish factoring

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

7 Solve the square polynomial to finish factoring

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

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

8 Solve the square polynomial to finish factoring

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

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