Name

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

1 $y = -4(x^2 - 8x + 16) + 64 - 65$

Solve the square polynomial to finish factoring

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

2 $y = -4(x^2 + 4x + 4) + 16 - 14$

Solve the square polynomial to finish factoring

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

3 $y = -3(x^2 - 6x + 9) + 27 - 31$

Solve the square polynomial to finish factoring

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

4 $y = -2(x^2 + 6x + 9) + 18 - 15$

Solve the square polynomial to finish factoring

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

5 $y = -3(x^2 - 4x + 4) + 12 - 14$

Solve the square polynomial to finish factoring

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

6 Solve the square polynomial to finish factoring

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

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

7 $y = -4(x^2 - 6x + 9) + 36 - 34$

Solve the square polynomial to finish factoring

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

8 $y = -3(x^2 - 4x + 4) + 12 - 13$

Solve the square polynomial to finish factoring

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