Name

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

1 Remove the leading coefficient from the x terms to be ready to complete the square

$$y = -2x^2 - 12x - 22$$

A	$y = -2(x^2 + 12x) - 22$	B	$y = -2(x^2 + 6x) - 20$
C	$y = -2(x^2 + 6x) - 21$	D	$y = -2(x^2 + 6x) - 23$
E	$y = -2(x^2 + 6x) - 22$		

2 Remove the leading coefficient from the x terms to be ready to complete the square

$$y = -5x^2 - 30x - 46$$

A	$y = -5(x^2 + 6x) - 45$	B	$y = -5(x^2 + 6x) - 46$
C	$y = -5(x^2 + 1x) - 46$	D	$y = -5(x^2 - 6x) - 46$
E	$y = -5(x^2 + 30x) - 46$		

3 Remove the leading coefficient from the x terms to be ready to complete the square

$$y = -3x^2 + 12x - 15$$

A	$y = -3(x^2 - 4x) - 16$	B	$y = -3(x^2 - 4x) - 15$
C	$y = -3(x^2 - 4x) - 14$	D	$y = -3(x^2 - 4x) - 13$
E	$y = -3(x^2 - 12x) - 15$		

4 Remove the leading coefficient from the x terms to be ready to complete the square

$$y = -3x^2 + 24x - 45$$

A	$y = -3(x^2 - 8x) - 45$	B	$y = -3(x^2 - 8x) - 46$
C	$y = -3(x^2 - 8x) - 43$	D	$y = -3(x^2 + 8x) - 45$
E	$y = -3(x^2 - 24x) - 45$		

5 Remove the leading coefficient from the x terms to be ready to complete the square

$$y = -4x^2 - 24x - 39$$

A	$y = -4(x^2 + 6x) - 39$	B	$y = -4(x^2 - 6x) - 39$
C	$y = -4(x^2 + 6x) - 41$	D	$y = -4(x^2 + 6x) - 38$
E	$y = -4(x^2 + 24x) - 39$		

6 Remove the leading coefficient from the x terms to be ready to complete the square

$$y = -3x^2 - 12x - 10$$

A	$y = -3(x^2 + 4x) - 10$	B	$y = -3(x^2 + 4x) - 9$
C	$y = -3(x^2 + 4x) - 12$	D	$y = -3(x^2 - 4x) - 10$
E	$y = -3(x^2 + 12x) - 10$		

7 Remove the leading coefficient from the x terms to be ready to complete the square

$$y = -4x^2 + 8x - 8$$

A	$y = -4(x^2 - 2x) - 8$	B	$y = -4(x^2 - 8x) - 8$
C	$y = -4(x^2 + 2x) - 8$	D	$y = -4(x^2 - 0x) - 8$
E	$y = -4(x^2 - 2x) - 7$		

8 Remove the leading coefficient from the x terms to be ready to complete the square

$$y = -2x^2 + 12x - 14$$

A	$y = -2(x^2 - 6x) - 13$	B	$y = -2(x^2 - 12x) - 14$
C	$y = -2(x^2 - 6x) - 14$	D	$y = -2(x^2 - 6x) - 16$
E	$y = -2(x^2 + 6x) - 14$		