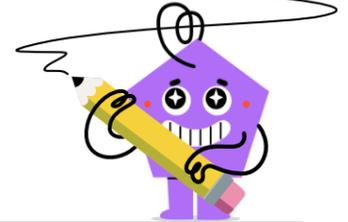# Quadratic Discriminants - Equation to Discriminant Value

Name

1 What is the discriminant of this quadratic equation?

$$y = -1.5x^2 - 4x - 1$$

A	$\Delta = -10$	B	$\Delta = 0$
C	$\Delta = 10$		

2 What is the discriminant of this quadratic equation?

$$y = -0.5x^2 + 4x - 8$$

A	B	C
$\Delta = -5$	$\Delta = 0$	$\Delta = 5$

3 What is the discriminant of this quadratic equation?

$$y = x^2 - 3x + 2.25$$

A	B	C
$\Delta = -3$	$\Delta = 0$	$\Delta = 3$

4 What is the discriminant of this quadratic equation?

$$y = 0.5x^2 + 4x + 4$$

A	B	C
$\Delta = -8$	$\Delta = 0$	$\Delta = 8$

5 What is the discriminant of this quadratic equation?

$$y = 0.5x^2 + 3x + 4.5$$

A	B	C
$\Delta = -2$	$\Delta = 0$	$\Delta = 2$

6 What is the discriminant of this quadratic equation?

$$y = 1.5x^2 - x + 2$$

A	$\Delta = -11$	B	$\Delta = 0$
C	$\Delta = 11$		

7 What is the discriminant of this quadratic equation?

$$y = -0.5x^2 - 2x - 3$$

A	B	C
$\Delta = -2$	$\Delta = 0$	$\Delta = 2$

8 What is the discriminant of this quadratic equation?

$$y = -1.5x^2 + 3x + 4$$

A	$\Delta = -33$	B	$\Delta = 0$
C	$\Delta = 33$		