Name

Quadratic Formula - Equation and Discriminant Formula to Discriminant

1 What is the discriminant of this quadratic equation (use the discriminant formula)?

$y = 5x^2 - 3x + 2$

discriminant formula: $\Delta = b^2 - 4ac$

A $\Delta = -31$

B $\Delta = 0$

C $\Delta = 31$

2 What is the discriminant of this quadratic equation (use the discriminant formula)?

$y = 5x^2 + 4x + 4$

discriminant formula: $\Delta = b^2 - 4ac$

A $\Delta = -64$

B $\Delta = 0$

C $\Delta = 64$

3 What is the discriminant of this quadratic equation (use the discriminant formula)?

$y = -1x^2 - 3$

discriminant formula: $\Delta = b^2 - 4ac$

A $\Delta = -12$

B $\Delta = 0$

C $\Delta = 12$

4 What is the discriminant of this quadratic equation (use the discriminant formula)?

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

discriminant formula: $\Delta = b^2 - 4ac$

A $\Delta = -20$

B $\Delta = 0$

C $\Delta = 20$

5 What is the discriminant of this quadratic equation (use the discriminant formula)?

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

discriminant formula: $\Delta = b^2 - 4ac$

A $\Delta = -16$

B $\Delta = 0$

C $\Delta = 16$

6 What is the discriminant of this quadratic equation (use the discriminant formula)?

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

discriminant formula: $\Delta = b^2 - 4ac$

A $\Delta = -7$

B $\Delta = 0$

C $\Delta = 7$

7 What is the discriminant of this quadratic equation (use the discriminant formula)?

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

discriminant formula: $\Delta = b^2 - 4ac$

A $\Delta = -32$

B $\Delta = 0$

C $\Delta = 32$

8 What is the discriminant of this quadratic equation (use the discriminant formula)?

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

discriminant formula: $\Delta = b^2 - 4ac$

A $\Delta = -23$

B $\Delta = 0$

C $\Delta = 23$