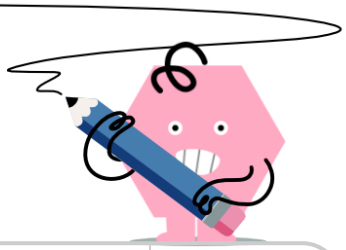
Name

Quadratic Formula - Equation and Discriminant Formula to Discriminant



1 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 $\Delta = 23$

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

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

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

A $\Delta = -16$

B $\Delta = 0$

C $\Delta = 16$

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

$y = x + 2x^2 + 2$

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

A $\Delta = -15$

B $\Delta = 0$

C $\Delta = 15$

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

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

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

A $\Delta = -4$

B $\Delta = 0$

C $\Delta = 4$

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

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

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

A $\Delta = -28$

B $\Delta = 0$

C $\Delta = 28$

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

$y = -2x^2 - 4$

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

A $\Delta = -32$

B $\Delta = 0$

C $\Delta = 32$

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

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

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 $\Delta = 23$