SqareRoot Discriminant Roots  $x_1$  and

Stupid Questions

GameBoard

Full Screen

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$$-3x^2 + 12x - 4 = 0$$
,  $c = ?$ 

- -3
- 12
- \_
  - 1

3

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$$-x^2 - 2x + 5 = 0, \quad a = ?$$

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  - -1
  - 4

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- 2
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20

16

0

12

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```
x^2 - 2x - 1 = 0, b^2 - 4ac = ?
```

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C

-4

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$$b^2 - 4ac$$
 for 300.

$$x^2 - 2x + 1 = 0$$
,  $b^2 - 4ac$  gives

no solution two different solutions two different negative solutions one double solution two different positive solutions



2 2

GameBoard

## $b^2 - 4ac$ for 400.

$$-22x^2 + 7x + 100 = 0$$
,  $b^2 - 4ac$  gives

no real solution complex solutions thriple solutions one double solution

two different solutions

GameBoard

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1

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-1

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- 4

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$$ax^2 - 2x + 1 = 0$$
 has two solutions when  $\sqrt{b^2 - 4ac}$ 

$$a = 1$$

$$a = 0$$

## a > 0

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Roots 
$$x_1$$
 and  $x_2$  for 100.

$$x^2 - 2x - 3 = 0$$
,  $x_1 = ?, x_2 = ?$ 

$$x_1 = 0, x_2 = 0$$

$$x_1 = -1, x_2 = 1$$

$$x_1 = -1, x_2 = 3$$

$$x_1 = -2, x_2 = -3$$

$$x_1 = -2, x_2 = -1$$

$$x_1 = 2, x_2 = 0$$

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$$3x^2 - 2x - 1 = 0$$
,  $x_1 = ?$ ,  $x_2 = ?$ 

$$x_1 = 2, x_2 = -3$$

$$x_1 = -1/2, x_2 = 1/2$$

$$x_1 = -2/3, x_2 = 2$$

$$x_1 = -2/3, x_2 = 2$$

$$x_1 = -1/6, x_2 = 5/6$$

$$x_1 = -1/3, x_2 = 1$$

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$$9x^2 - 1 = 0, x_1 = ?, x_2 = ?$$

$$x_1 = 3x_2 = -3$$

$$x_1 = -1, x_2 = 1$$

$$x_1 = -1/2, x_2 = 1/2$$

$$x_1 = -1/3, x_2 = 1/3$$

$$x_1 = -1/9, x_2 = 1/9$$
  
 $x_1 = -1/9, x_2 = 1/9$ 

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$$x^2 + x - 1 = 0, x_1 = ?, x_2 = ?$$

$$x_1 = 1x_2 = -1$$
  
 $x_1 = (-1 - \sqrt{5})/2, x_2 = (-1 + \sqrt{5})/2$   
 $x_1 = -1/2, x_2 = 1/2$ 

$$x_1 = -1 - \sqrt{5}, x_2 = -1 + \sqrt{5}$$

$$x_1 = -1 - \sqrt{5}, x_2 = -1 + \sqrt{5}$$
  
 $x_1 = (-1 - \sqrt{5})/5, x_2 = (-1 + \sqrt{5})/5$ 

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$$a=0$$
 then  $ax^2+bx+c=0$ 

has no solution

has two solution

has more than two solutions

has one solution

none of the above

When  $0 = x^2 - 3$  then b = ?

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.

-3

0

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Full Screen

Quit

When  $0 = 2x^2 - 3x$  then c = ?

## Stupid Questions for 400.

The graph of 
$$y = x^2 - 2x - 3$$

Has a shape of a line Has a shape of hyperbola Has a shape of two lines Has a shape of parabola Is a point

