Quadratic Equation Word Problem To Quadratic Solution Type - Height over Ground

1

Given this equation for the height of a long jumper as a function of distance from the line, what would you use to find the max height of the long jumper?

$h(x) = -9x^2 + 11x + 6$

A	B
The root of the quadratic	The x value of the vertex

2

Given this equation for the height of a long jumper as a function of distance from the line, what would you use to find the max height of the long jumper?

$h(x) = -7x^2 + 10x + 7$

A	B
The y value of the vertex	The root of the quadratic

3

Given this equation for the height of a water jet as a function of distance from the fountain, what would you use to find the distance where the water is at its max height?

$h(x) = -10x^2 + 7x + 3$

A	B
The y value of the vertex	The root of the quadratic

4

Given this equation for the height of a long jumper as a function of distance from the line, what would you use to find the distance where the long jumper is at their max height?

$h(x) = -11x^2 + 5x + 11$

A	B
The x value of the vertex	The root of the quadratic

5

Given this equation for the height of a long jumper as a function of distance from the line, what would you use to find the max height of the long jumper?

$h(x) = -11x^2 + 8x + 2$

A	B
The root of the quadratic	The y value of the vertex

6

Given this equation for the height of a long jumper as a function of distance from the line, what would you use to find the distance where the long jumper lands?

$h(x) = -11x^2 + 5x + 5$

A	B
The y value of the vertex	The x value of the vertex

7

Given this equation for the height of a long jumper as a function of distance from the line, what would you use to find the distance where the long jumper lands?

$h(x) = -5x^2 + 4x + 5$

A	B
The x value of the vertex	The root of the quadratic

8

Given this equation for the height of a long jumper as a function of distance from the line, what would you use to find the max height of the long jumper?

$h(x) = -3x^2 + 8x + 4$

A	B
The x value of the vertex	The y value of the vertex