

A golfer hits a ball off the grass and after 6 seconds it hits the ground again. Using the equation $h(t) = h_0 + v_0t - 16t^2$ to model the path of the ball where time is in seconds and height is in feet.

Find the initial upward velocity of the golf ball.

Write the equation modeling the path of the ball.

Multiply:

$$(2x - 9)(x + 1)$$

$$(3x + 4)^2$$

$$(5x - 2)(5x + 2)$$

Factor Completely

$$x^2 - 15x - 54$$

$$2x^2 - 8x - 24$$