a. [3 points] Write a formula for H(m) in vertex form. Show any needed work.

Answer: H(m) =_____

b. [3 points] Write a formula for H(m) in factored form. Show any needed work.

Answer: *H*(*m*) = _____

c. [2 points] Find the value of H(0) in decimal form, then interpret what it means in the context of this problem.

Answer: H(0) = _____

Interpretation:

d. [2 points] Leena attempts to throw an apple to her friend Toya, who is behind a wall that is 10 meters away and 2 meters tall. Her throw sets the apple on a path such that, when its horizontal location is m meters away from her, its height in meters is given by $L(m) = -0.2m^2 + 1.5m + 6$. Does the apple get to Toya? Circle the correct answer and provide a brief explanation.

Yes	No
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Explanation: