

Name:

Number:

Date:

Problem of DEATH (Bonus)

You can get up to 5 points of bonus (a full homework grade!). Partial bonus is awarded for significant amounts of work.

A baseball is thrown at a velocity of 37 m/s and an angle 35° above horizontal from the top of a 45-meter cliff. Assuming no air resistance, how far from the base of the cliff does the baseball land?