

Name: \_\_\_\_\_ Period: \_\_\_\_\_

### Physics two dimensional Final Exam

An engineer is developing a new toy called "The Slide of Death". The vision is to have kids slide down a twisty slide, fly pass jagged rocks (for added excitement) and land safely in middle of the pool of plastic balls. As the engineer it is your job to determine the height of the slide required for the kids to safely pass the jagged rocks and land in the pool of plastic balls. Show all work and explain your reasoning for each step of your work.

