

Questions on Kinematics: Motion In Two Dimensions

http://ia600202.us.archive.org/14/items/AP_Physics_B_Lesson_02/Container.html

1. For the displacement vector triangle, what is $\tan\theta$?
2. Which set of equations were used to describe one dimensional motion with constant acceleration?
3. For the basketball's motion, what is the acceleration?
4. What are the components of the initial velocity?
5. What angle do you need aim the cannon to hit the target?
6. Calculate the value of d in meters. Show all work.