2011 PreAP Two Dimensions 16

- 1. Four projectile are launched from the ground with the same initial velocity. Their angles of fire are: 30°; 45°; 60°; 80°.
 - A. Which one has the most hang time (greatest t)?
 - B. Which has the greatest Vx?
 - C. Put them in order from greatest range to least range. If they are the same, say so.

Let's practice for the hoops lab. Again, the example from the in class practice are on the last page. WORK IN METERS!



D. So, Hoop 2 is at what x and y position?

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From the "Projectile Concepts" notes:

- 6. Four projectile are launched from the ground with the same initial velocity. Their angles of fire are: 30°; 45°; 60°; 80°.
 - A. Which one has the most hang time (greatest t)? (y-1:r quest, 50): 80
 - B. Which has the greatest Vx? 30°
 - C. Put them in order from greatest range to least range. If they are the same, say so.
 - 45", [same: 30", 60"], 80" -ZW

Let's practice for the hoops lab. Again, the example from the in class practice are on the last page.

