p 112 MC 4, 6, 8
p 117 Problem 69 (4 pts)

- Multiple Choice

4) Ball 1 throw horizontally
Ball 2 drop
Which reaches ground first + why?

Neither - vertical info same
so same time

6) Projectile launched at $V_0$ from angle $\theta$
What frame only move vertically?

- Frame move horizontaly at $V_0 \cos\theta$

8) Running, how throw ball to catch it?

- Straight up (It will move forward at your speed)

- Problems

69) 


$V_{ox} = 40\ m/s$ Aim at arrow
$x = 40\ m$

① $t = \frac{d}{v} = \frac{40\ m}{40\ m/s} = 1\ s$

② $y = \frac{1}{2}at^2 = \frac{1}{2}(9.81\ m/s^2)(1\ s)^2 = 4.9\ m$

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