

Ch3, Projectile motion recommended problems

9. $v_0 = 12.0m/s$

11. $\theta = 7.19^\circ$

12.

a) $\Delta x = 22.6m$

b) $\Delta h = 35.9m$

c) $t = 1.72s$

13) This problem is super duper hard. I don't know whose idea it was to make it a recommended problem but I officially do not recommend it. If you are really pushing yourself, I'm pretty sure the answer is $\theta = \arctan(\sqrt{6})$