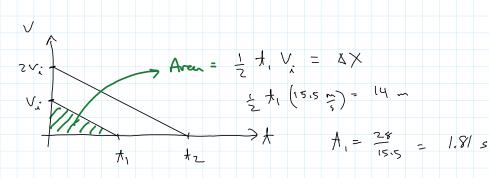
Goals for the Lecture:

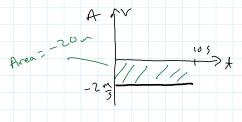
- 1) Given one of the following three graphs: x vs t, v vs t, and a vs t, be able to draw the other two
- 2) Be able to solve 1-D kinematics problems (constant acceleration) using the equations and a graphical approach

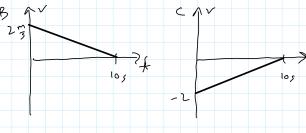


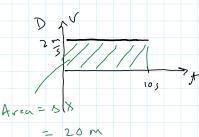


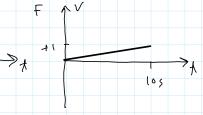
acceleration = slope =
$$\frac{\Delta V}{\Delta t} = \frac{15.5}{1.81} = 8.58 \frac{M}{52}$$

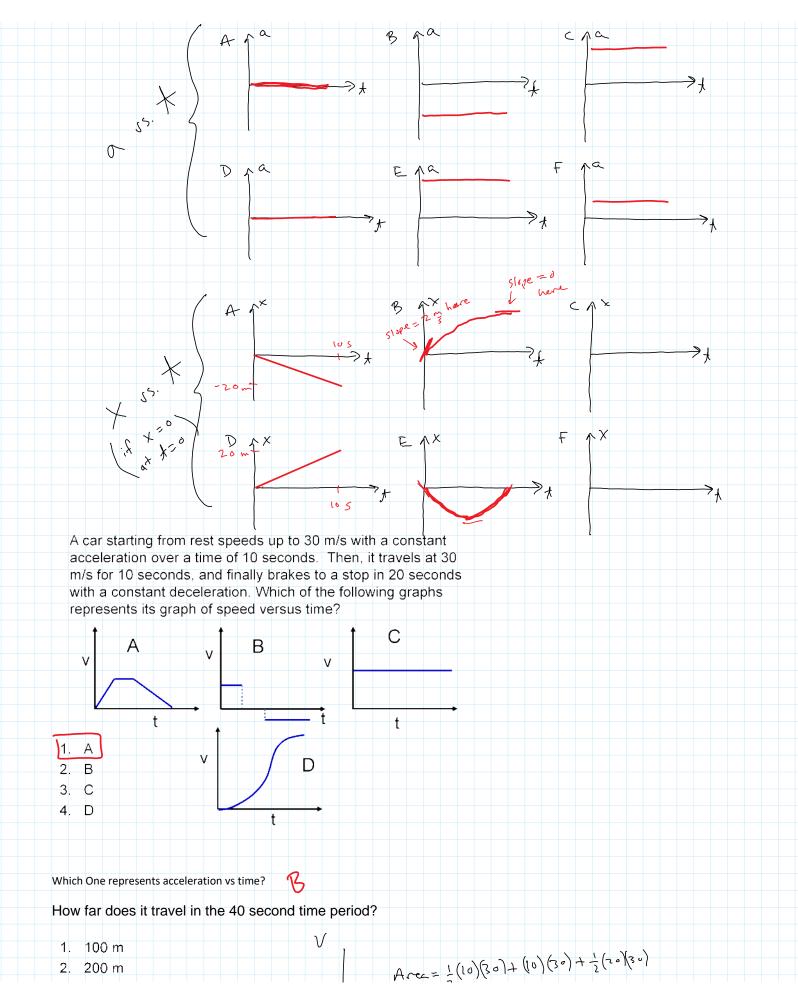
$$5X_{2} = \frac{1}{2} (2V_{i}) + = 56 \text{ m}$$

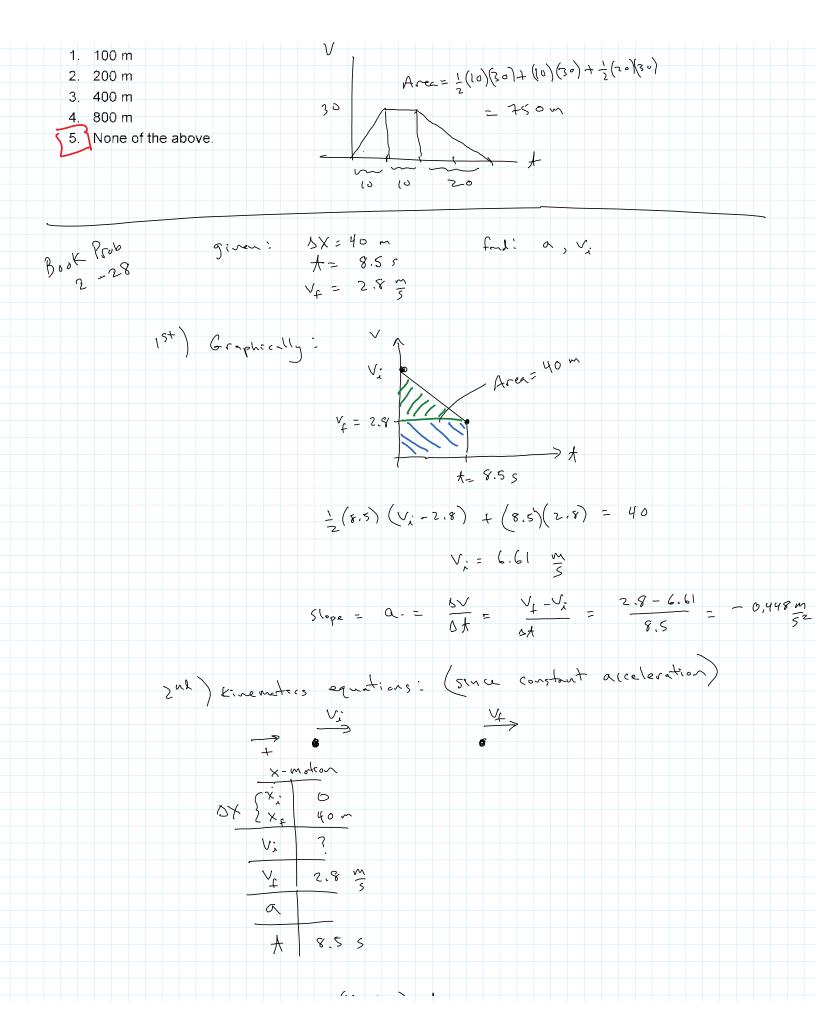


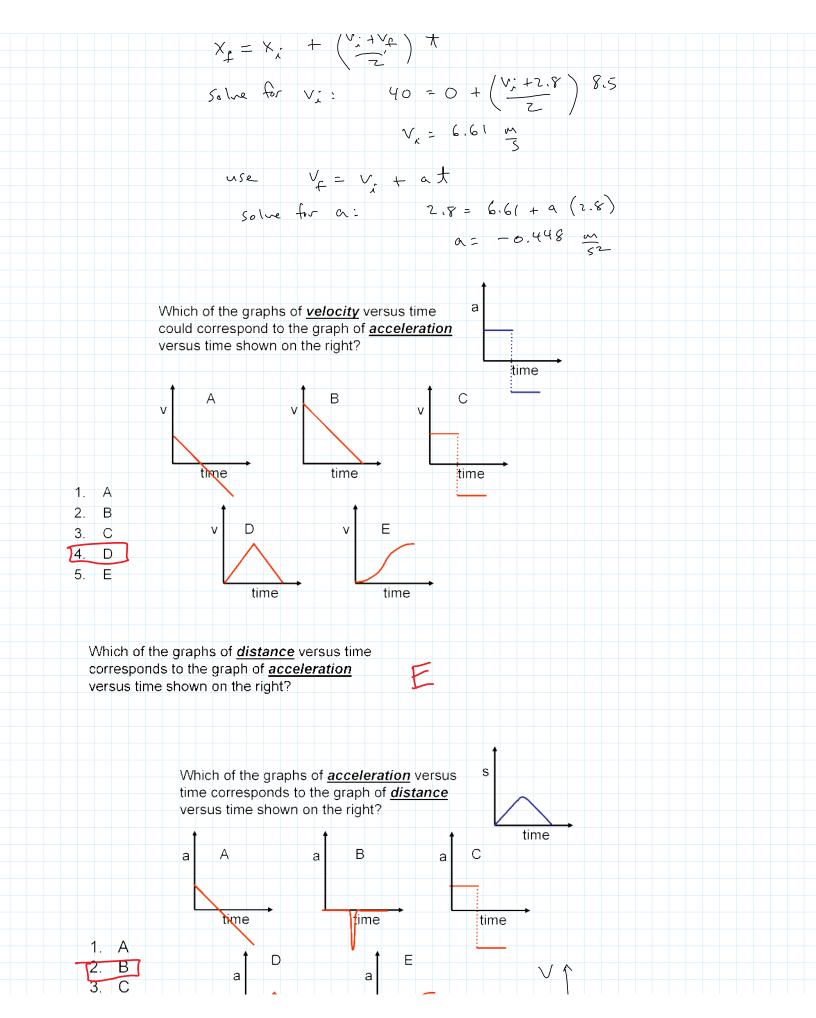


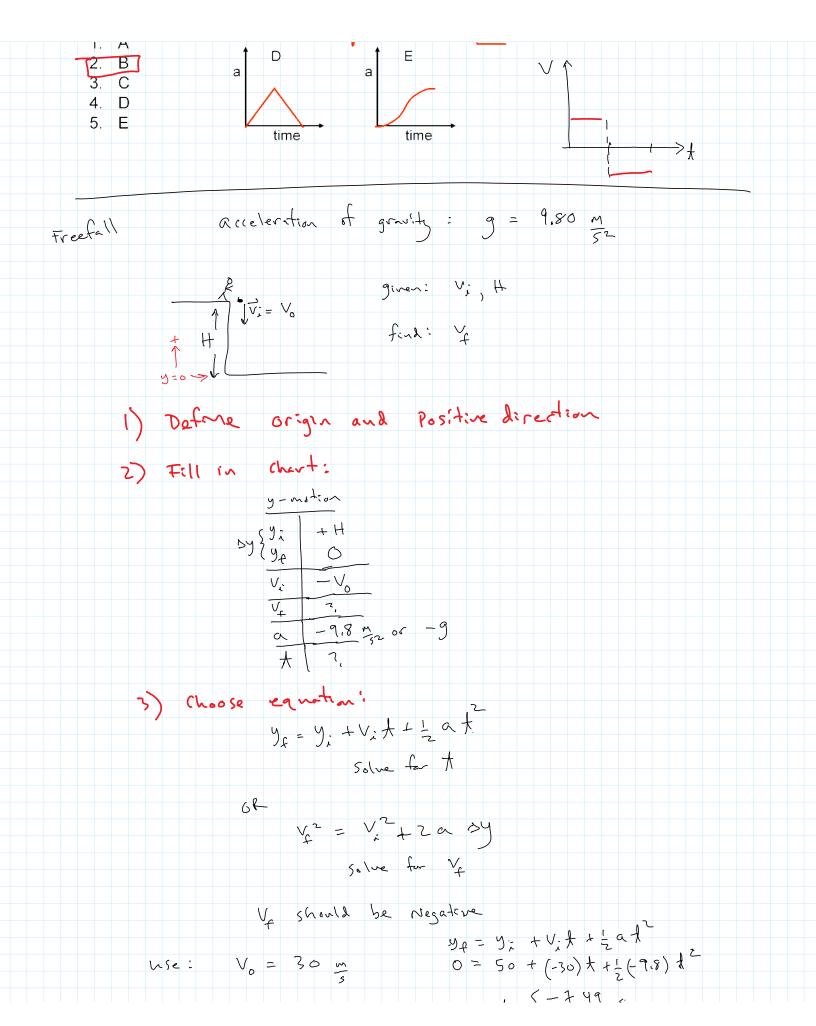


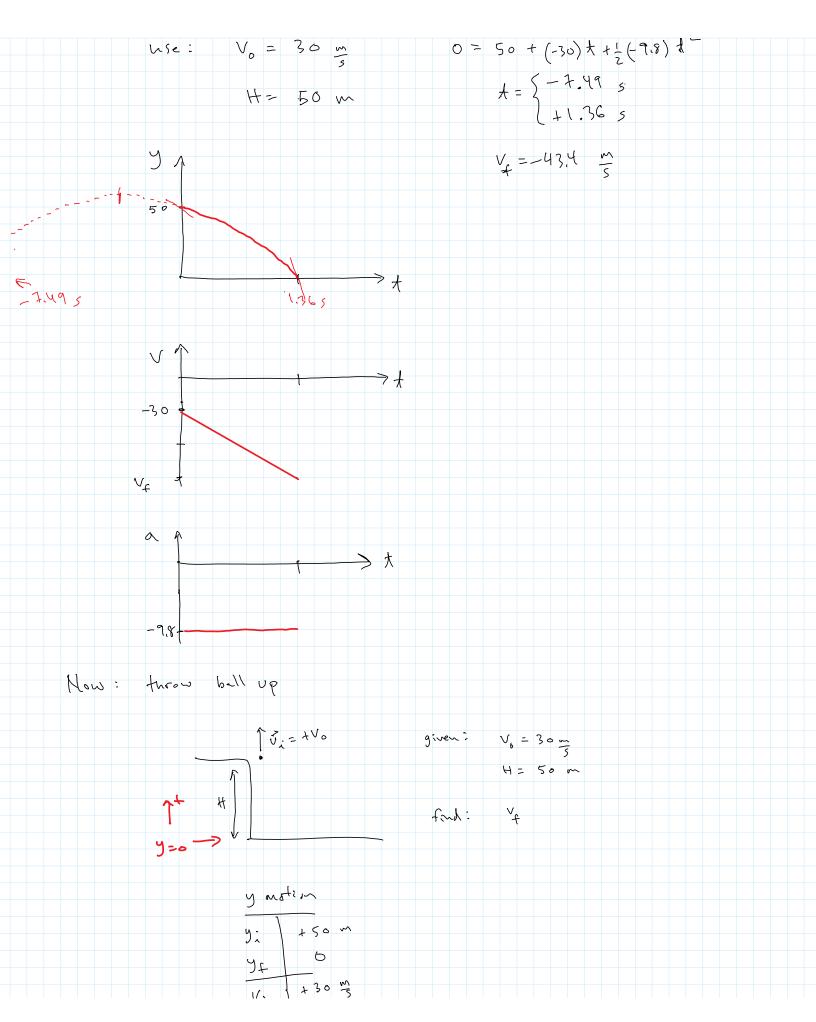












7+ 0 V: +30 = 3 V2 7: -9.8 = 2 + 2.
$\frac{1}{x^{2}} = \frac{1}{x^{2}} + \frac{1}{x^{2}} + \frac{1}{x^{2}} = \frac{1}{x^{2}} + \frac{1}{x^{2}} + \frac{1}{x^{2}} = \frac{1}{x^{2}} + \frac{1}{x^{2}} + \frac{1}{x^{2}} = \frac{1}{x^{2}} = \frac{1}{x^{2}} + \frac{1}{x^{2}} = $
$V_{f} = (38) + 2(38)$