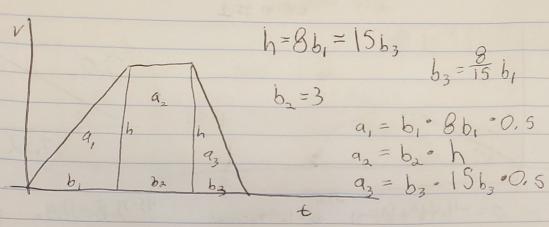
PHYS 407



700= 9, +9, +93

$$700 = (b, 8b, 0.5) + (3.8b,) + (8b, 8b, 0.5)$$

 $700 = 46,^2 + 24b, + \frac{32}{15}b^2$

0=46,2+326,2+246,-700

b, = 2, 904 seconds

Sanity Check: 700 = (8,904) (71,232) + (4,749) (71,232) 2 + (4,749) (71,232)

700= 317.125 + 213.696 + 169.140

Correction: #5 8,904 seconds

Correction: 0=-4.9£+10++1> == 2.14seconds 17.32 (2.14)=37,07m 45-37.07=7.93m V=7,93m/(2.14+0.5) seconds=3m/s