

AP Physics 1

Projectile Lab Problem Answers

4.) a.) $t = 0.45 \text{ s}$ b.) $\bar{v}_i = 0.56 \frac{\text{m}}{\text{s}} \angle 0$ c.) $\bar{v} = 4.45 \frac{\text{m}}{\text{s}} \angle -82.8^\circ$

5.) $\Delta y = -0.37 \text{ m}$

6.) a.) $y_i = 0.784 \text{ m}$ b.) $\Delta x = 0.500 \text{ m}$