

9/15/10

Bruce Bowen

Plane

$$V_{0x} = 90 \text{ m/s}$$

$$V_{0y} = 0$$

$$\Delta y = -1000$$

$$\Delta y = V_{0y}t + .5gt^2$$

$$-1000 = -4.9t^2 \text{ (m/s}^2\text{)}$$

$$t = 14.3 \text{ sec}$$

$$V = 0 + 9.8(14.3 \text{ sec})$$

$$\textcircled{1} V_{fy} = 140.14 \text{ m/s}$$

$$\textcircled{2} V_{0x} = 90 \text{ m/s}$$

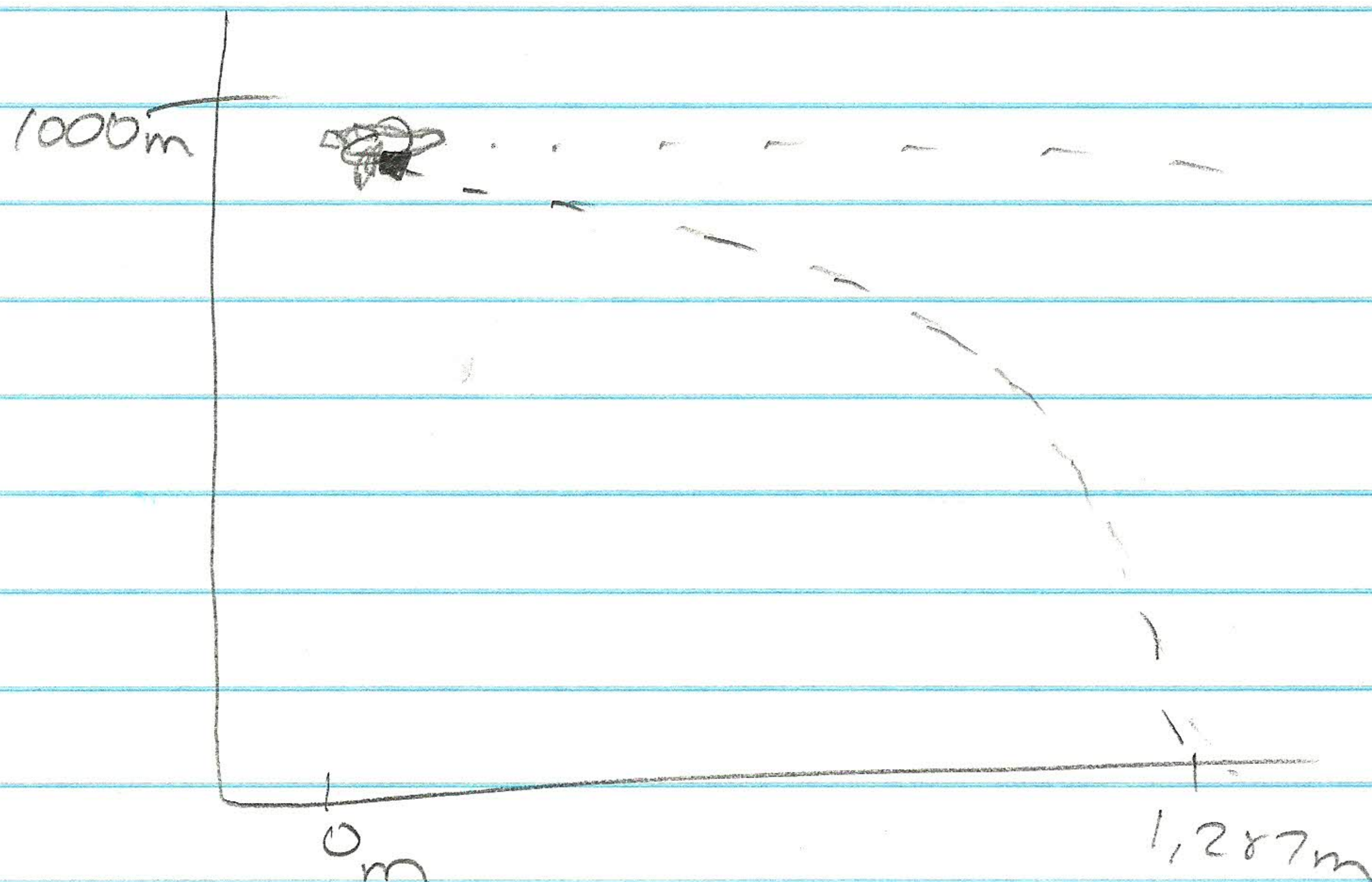
$$V_{0y} = 140.14 \text{ m/s}$$

$$\textcircled{3} 14.3 \text{ sec}$$

$\textcircled{4}$ Spot directly above it

$$\textcircled{5} \text{ Horiz} - 1287 \text{ m}$$

$$\text{Plane} - 1,287 \text{ m}$$



Unable to finish the Python Lab, Issue with time.