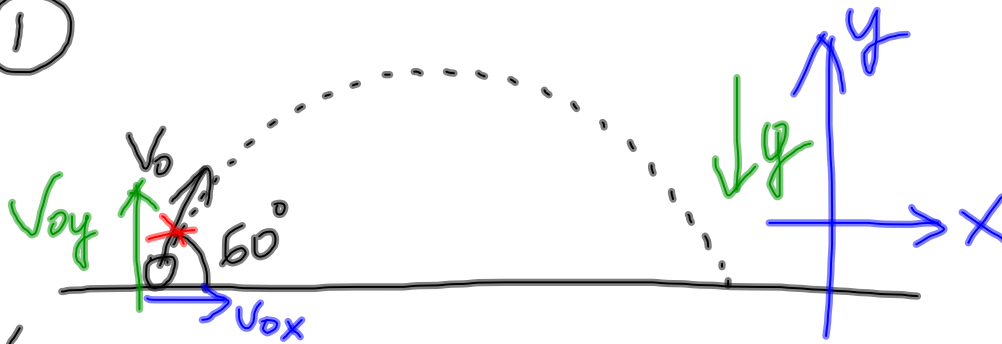


①



$$\begin{aligned} V_{0x} &= V_0 \cos(60^\circ) \\ V_{0y} &= V_0 \sin(60^\circ) \\ V_{0x} &= \\ V_{0y} &= \end{aligned}$$

Oct 22-8:16 AM

ⓧ

$$\begin{aligned} V_{0x} &= \square \\ V_x = V_{0x} &= \square \\ a_x &= 0 \\ \Delta x &= ? \\ t &= ? \end{aligned}$$

⓪

$$\begin{aligned} V_{0y} &= \square \\ V_y &= \square \\ g &= -9.8 \frac{\text{m}}{\text{s}^2} \\ \Delta y &= 0 \\ t &= ? \end{aligned}$$

Oct 22-8:18 AM

$$a) \textcircled{x} \quad \Delta x = v_{0x} \cdot t$$

$$b) \textcircled{y} \quad \Delta y = v_{0y}t + \frac{1}{2}gt^2$$

$$0 = \square t - 4.9t^2$$

$$0 = t(\square - 4.9t)$$

$$t_1 = 0 \quad t_2 = \frac{\square}{4.9}$$

$$\boxed{t_2 =}$$

Oct 22-8:20 AM