

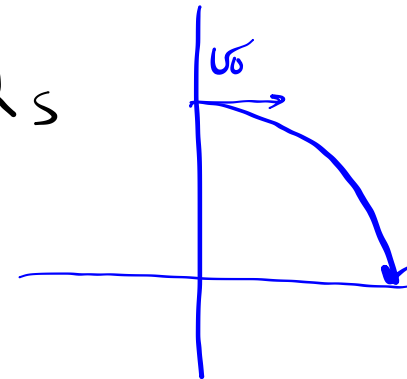
$$\begin{aligned}
 x_0 &= 0 \\
 x &= 1.20 \text{ m} \\
 v_{0x} &= v_0 \\
 v_x &= \\
 a_x &= 0 \\
 t &= 0.52 \text{ s}
 \end{aligned}$$

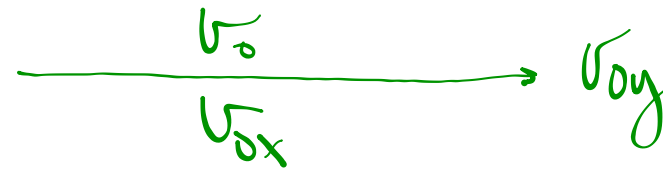
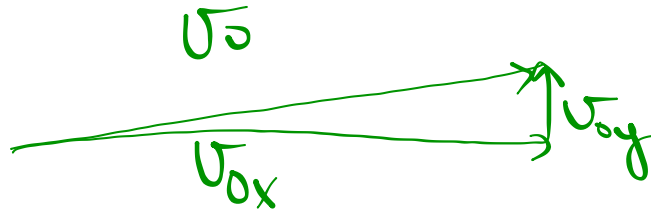
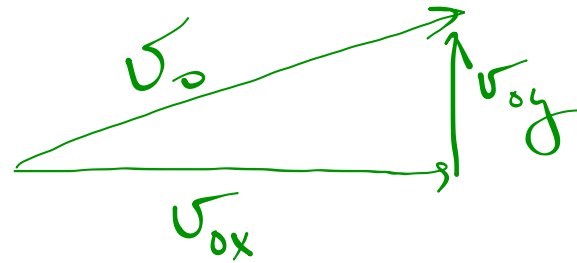
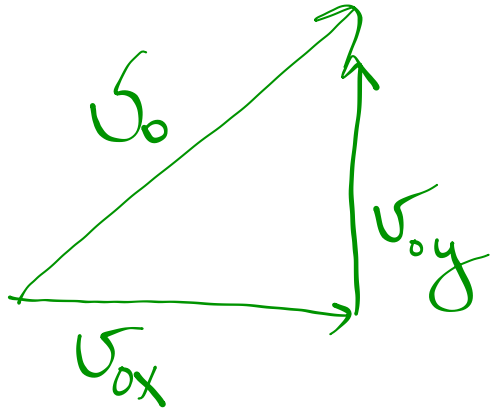
Use the big 4  
to find this

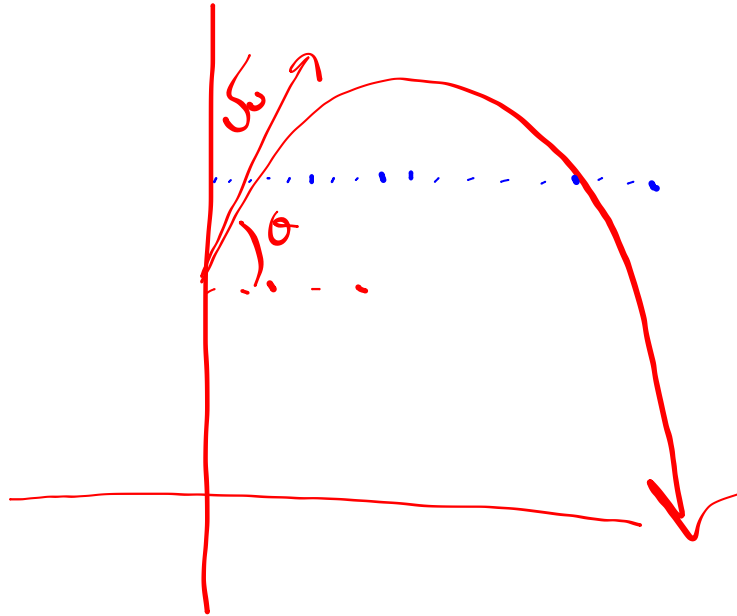
$$\begin{aligned}
 y_0 &= 1.13 \text{ m} \\
 y &= 0 \\
 v_{0y} &= 0 \\
 v_y &= \\
 a_y &= -9.8 \text{ m/s}^2 \\
 t &= 0.52 \text{ s}
 \end{aligned}$$

$$\theta = 0$$

$$\begin{aligned}
 &\xrightarrow{v_0} \\
 v_{0x} &= v_0 \cos \theta \\
 v_{0y} &= v_0 \sin \theta
 \end{aligned}$$







θ ✓

$t \rightarrow x, y$

$x \rightarrow t, y$

$y \rightarrow t, x \quad (\times 2)$

Make sure that you have the necessary equations BEFORE you leave class today! (If you can figure them out, great. Otherwise, get the minimum amount of help necessary to have them written in your notes.)

Make sure that you UNDERSTAND these equations prior to the next class and Friday's test.