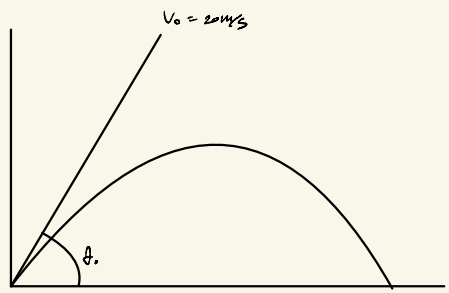
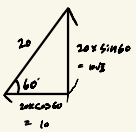


$\theta_0 = 60$



$V_y = 0$

$V = at$

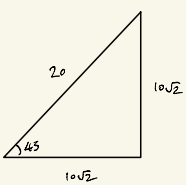
$10\sqrt{3} = 9.81 \times t$

1.7655

$t = 3.5311 \Rightarrow y = 0$

$R = t \times V_x$

$3.5311 \times 10 = 35.3$

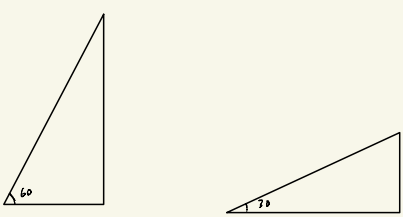


$y_v \quad \theta$

$t = 10\sqrt{2} / 9.81 \times 2$

$R = (10\sqrt{2})^2 / 9.81 \times 2$

$= 40.77$



$R = V_x \times t$

$t = 10\sqrt{3} / 9.81 \times 2$

$V_x = 10$

$t = 10 / 9.81 \times 2$

$V_x = 10\sqrt{3}$

$10 \times 10\sqrt{3} / 9.81 \times 2$

$10\sqrt{3} \times 10 / 9.81 \times 2$