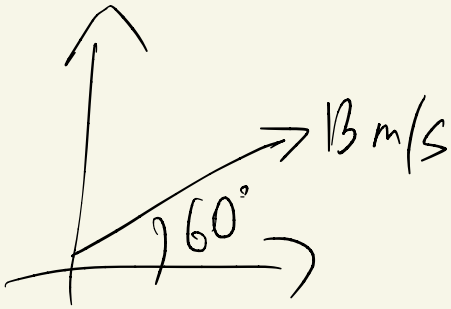
$$0 = 15^2 - 2(9.81)(y - 0)$$

$$15^2 = 2(9.81)(y)$$

half of max height

$$= \frac{11.48}{2}$$



$$V_{0x} = 13\cos 60$$

$$=$$

$$g = 9.8$$

$$R = 15$$

$$h = 6$$

$$V = 13$$

$$\frac{gR^2}{hv^2} - 1 = 1.17$$

$$\frac{gR^2}{hv^2} + 1 = 3.17$$