

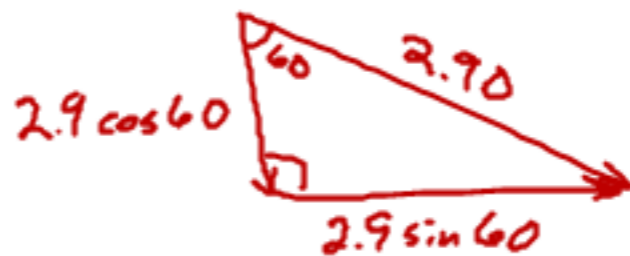
3)

$$1.4 + 3.9 = 5.3$$
$$2.6 + -3.3 - \cancel{1.3} = -7$$
$$-10 + -2 = -10.2$$

$$(5.3, -7, -10.2)$$

$$\sqrt{5.3^2 + (-7)^2 + (-10.2)^2}$$

12)



Vert.

$$d = d_0 + v_i t + \frac{1}{2} a t^2$$
$$-340 = 0 + \frac{1}{2} (2.9 \cos 60) t^2$$
$$t =$$

12

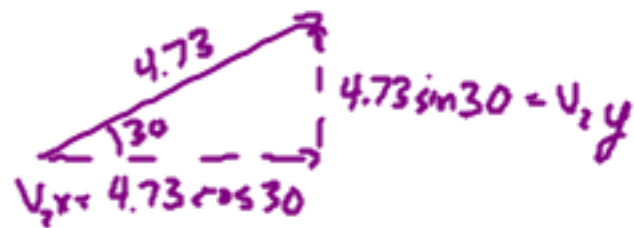


4

$$V_x \leftarrow 6.01$$

$$V_{ix} = -6.01$$

$$V_{iy} = 0$$



$$R^2 = (R_x)^2 + (R_y)^2$$

$$\tan \theta = \frac{R_y}{R_x}$$

$$\theta = \rightarrow (180 - \theta)$$

