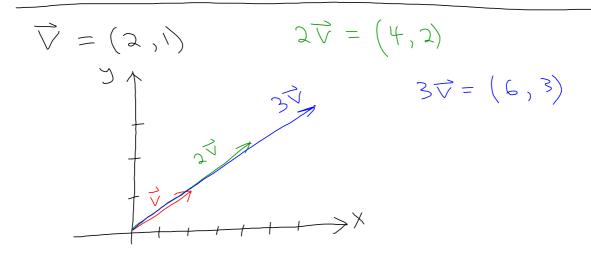
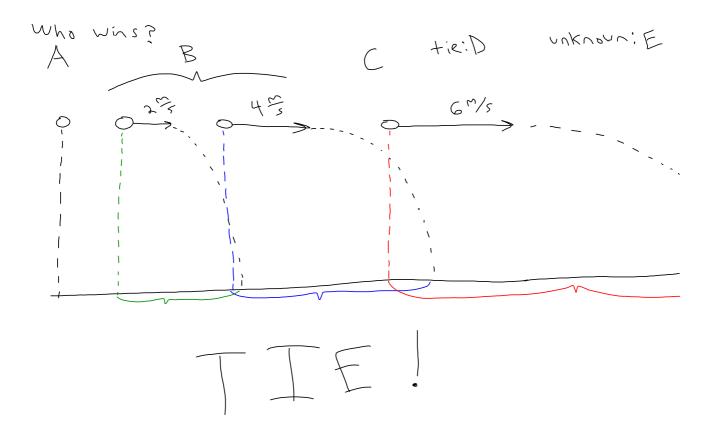
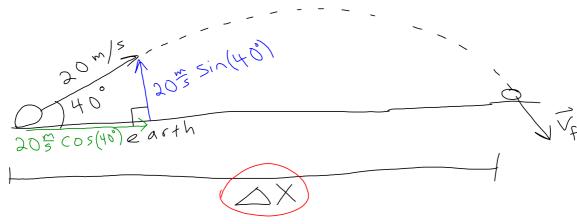


https://github.com/naharrison/graphical-vector-adder/releases



When a vector is multiplied by a scalar, the magnitude changes but the direction is preserved.





$$\frac{1}{\sqrt{10000}}$$

$$\frac{1}{\sqrt{100000}}$$

$$\frac{nour}{t} = \frac{don't \ core}{\sqrt{fy}}$$

$$\frac{y_f}{y_f} = \frac{y_i + \sqrt{iy}t}{\sqrt{fy}} + \frac{1}{2} \frac{a_y t}{\sqrt{fy}}$$

$$\frac{0}{t} = \frac{20\sin(40)t}{\sqrt{fy}} - \frac{4.9t}{\sqrt{fy}}$$

$$\frac{1}{t} = \frac{1}{4.9}$$

$$\Delta x = V_x t = \frac{(20\cos(40))(20\sin(40))}{4.9}$$

$$= \frac{39.78 \text{ m}}{}$$

