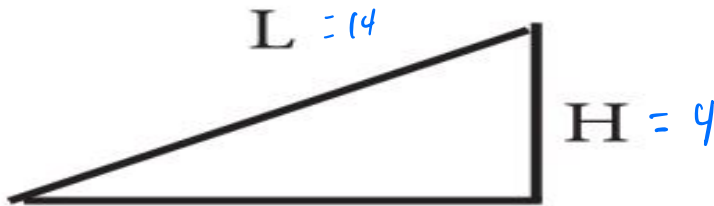


Name: Linus Kane

$$L = D_E \quad H = D_R$$

Given the inclined plane pictured below, when L (slope length) = 14 feet, H (height) = 4 feet, $F_e = 30$, $F_r = 30$ what is the a: IMA b: AMA c: Efficiency (precision of 0.1)?



$$IMA = \frac{D_E}{D_R}$$

$$AMA = \frac{F_e}{F_r}$$

$$Eff = \frac{AMA}{IMA} \times 100$$

$$\frac{14}{4} = 3.5$$

$$IMA = 3.5$$

$$\frac{30}{30} = 1$$

$$AMA = 1$$

$$\frac{1}{3.5} \times 100$$

$$Eff = 28.6\%$$

Write ONLY answers below this line _____

Set16

a: 3.5

b: 1

c: 28.6