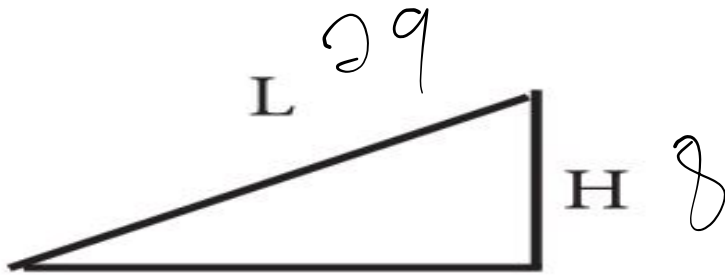


Name: Stefan

Given the inclined plane pictured below, when L (slope length) = 29 feet, H (height) = 8 feet,  $F_e = 30$ ,  $F_r = 60$  what is the a: IMA b: AMA c: Efficiency (precision of 0.1)?



$$IMA = \frac{D_e}{D_r}$$

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

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

$$IMA = \frac{29}{8} = 3.6$$

$$AMA = \frac{60}{30} = 2$$

$$EFF = \frac{2}{3.6} \times 100$$

$$EFF = 55.6\%$$

Write ONLY answers below this line \_\_\_\_\_

Set25

a: 3.6

b: 2

c: 55.6