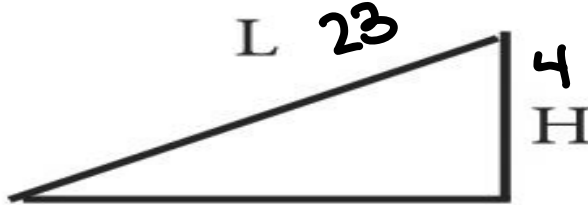


Name: Leela Prakash

Given the inclined plane pictured below, when L (slope length) = 23 feet, H (height) = 4 feet,  $F_e = 60$ ,  $F_r = 120$  what is the a: IMA b: AMA c: Efficiency (precision of 0.1)?



$$IMA = \frac{D_E}{D_R} \quad \frac{23}{4} = 5.75$$

$$AMA = \frac{F_R}{F_E} \quad \frac{120}{60} = 2$$

$$\frac{AMA}{IMA} \times 100 = 34.8\%$$

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

Set20

a: 5.8

b: 2

c: 34.8