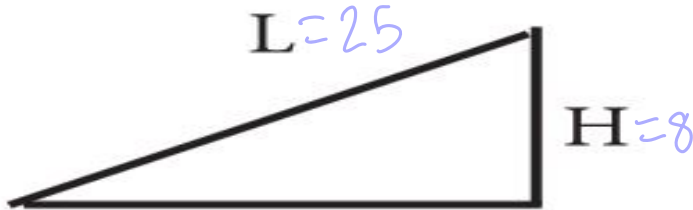


Name: Lway

Given the inclined plane pictured below, when L (slope length) = 25 feet, H (height) = 8 feet, $F_e = 40$, $F_r = 90$ what is the a: IMA b: AMA c: Efficiency (precision of 0.1)?



$$\begin{aligned} \text{IMA} &= \frac{D_E}{D_R} = \frac{25}{8} = 3.13 \\ \text{AMA} &= \frac{F_R}{F_E} = \frac{90}{40} = 2.25 \\ \text{EF} &= \frac{\text{AMA}}{\text{IMA}} = \frac{2.25}{3.13} = 0.72 \end{aligned}$$

71.8%

Write ONLY answers below this line _____

Set27

a: 3.1

b: 2.3

c: 71.9