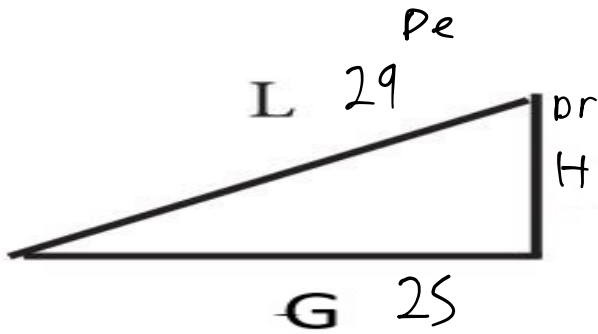


Name: Stefan

Given the inclined plane pictured below, when L (slope length) = 29 feet, G (Ground length of slope) = 25 feet, $F_e = 50$, $F_r = 96$ what is the a: IMA b: AMA c: Efficiency (precision of 0.01)?



$$h^2 = 29^2 - 25^2 = 216$$

$$h = 14.7$$

$$IMA = \frac{29}{14.7} = 1.97 \quad E = \frac{1.92}{1.97}$$

$$AMA = \frac{96}{50} = 1.92$$

$$E = .97\%$$

Write ONLY answers below this line _____

Set65

a: 1.97

b: 1.92

c: .97