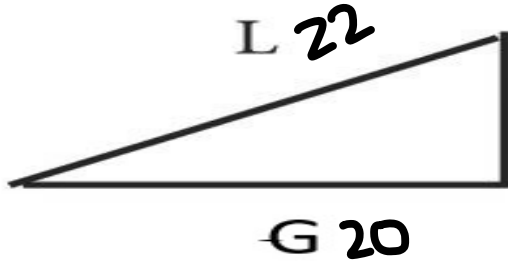


Name: Leela Prakash

Given the inclined plane pictured below, when L (slope length) = 22 feet, G (Ground length of slope) = 20 feet, Fe = 30, Fr = 55 what is the a: IMA b: AMA c: Efficiency (precision of 0.01)?



$$IMA = \frac{D_E}{D_R} = \frac{22}{\sqrt{84}} = 2.40$$

$$AMA = \frac{F_R}{F_E} = \frac{55}{30} = 1.83$$

$$\frac{AMA}{IMA} \times 100 = 76.38\%$$

Write ONLY answers below this line _____

Set60

a: 2.40

b: 1.83

c: 76.38