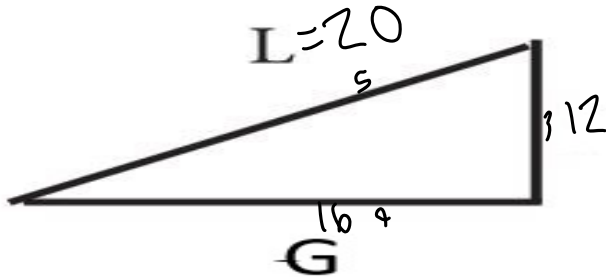Name:_____

Given the inclined plane pictured below, when L (slope length) = 20 feet, G (Ground length of slope) = 16 feet, Fe = 30, Fr = 56 what is the a: IMA b: AMA c: Efficiency (precision of 0.01)?

$$IMA = \frac{De}{Dr} = \frac{20}{12} = 1.67$$

$$AMA = \frac{Fr}{Fe} = \frac{56}{30} = 1.87$$

$$EF = \frac{AMA}{IMA} = \frac{1.87}{1.67} = 1.1198$$

111.98

L = 20

S

12

16 4

G

Write ONLY answers below this line _____

Set67

a: 6.67

b: 1.87

c: 111.98