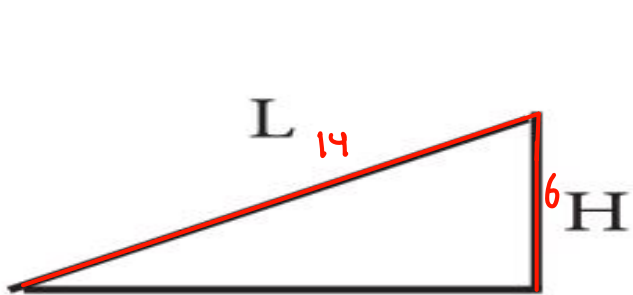


Name: Raj Dhillon

Given the inclined plane pictured below, when L (slope length) = 14 feet, H (height) = 6 feet, $F_e = 50$, $F_r = 50$ what is the a: IMA b: AMA c: Efficiency (precision of 0.1)?



$$F_e = 50$$
$$F_r = 50$$

$$a. IMA = \frac{DE}{OR}$$

$$IMA = \frac{14}{6}$$

$$IMA = 2.3$$

$$b. AMA = \frac{F_R}{F_E}$$

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

$$AMA = 1$$

$$c. \left(\frac{1}{2.33} \right) 100 = 42.9\% \text{ efficiency}$$

Write ONLY answers below this line _____

Set15

a: 2.3

b: 1.0

c: 42.9