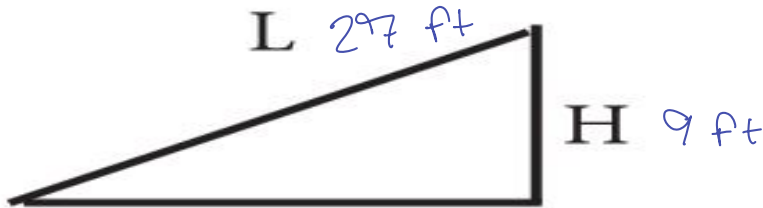


Name: Rhyan Bullard

$$IMA = \frac{DE}{DR}$$
$$AMA = \frac{FR}{FE}$$

Given the inclined plane pictured below, when L (slope length) = 27 feet, H (height) = 9 feet, $F_e = 30$, $F_r = 60$ what is the a: IMA b: AMA c: Efficiency (precision of 0.1)?



$$IMA: \frac{DE}{DR} = \frac{27}{9} = 3$$

$$AMA: \frac{FR}{FE} = \frac{60}{30} = 2$$

$$\text{Efficiency: } \frac{AMA}{IMA} (100) = \frac{2}{3} (100) = 66.7$$

Write ONLY answers below this line _____

Set12

a: 3

b: 2

c: 66.7