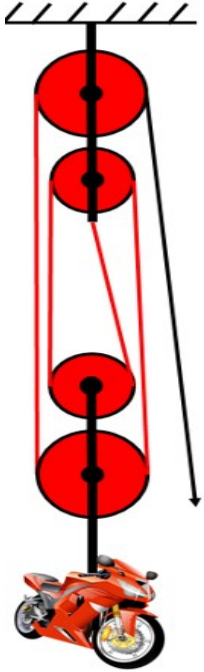


Name: Raj Dhillon

Given the pulley in the figure below.  $F_e = 121$  lbs, which lifts a motorcycle,  $F_r = 440$  lbs, What is the

(a) IMA (b) AMA (c) Efficiency (precision of 0.1)?



$$IMA = 4$$

$$AMA = \frac{F_r}{F_e} = \frac{440}{121} = 3.6$$

$$\text{Efficiency} \left( \frac{3.6}{4} \right) 100 = 90$$

Write ONLY answers below this line \_\_\_\_\_

Set15

a: 4.0

b: 3.6

c: 90.0