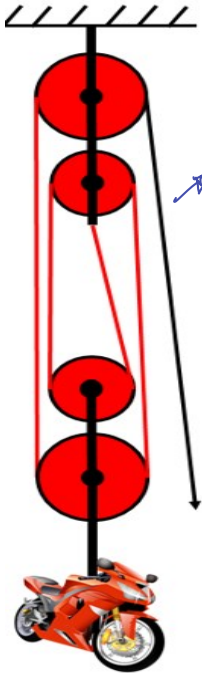Name: Rhyan Bullard

Given the pulley in the figure below. Fe = 110 lbs, which lifts a motorcycle, Fr = 400 lbs, What is the

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

IMA = 4

$$AMA = \frac{Fr}{Fe} \rightarrow \frac{400}{110} \rightarrow AMA = 3.6$$

$$Eff = \frac{AMA}{IMA} \times 100 \rightarrow \frac{3.6}{4} \times 100 \rightarrow 0.9 \quad \times 100 \rightarrow Eff = 90$$

Write ONLY answers below this line _____

Set12

a: 4.0 _____

b: 3.6 _____

c: 90.0 _____