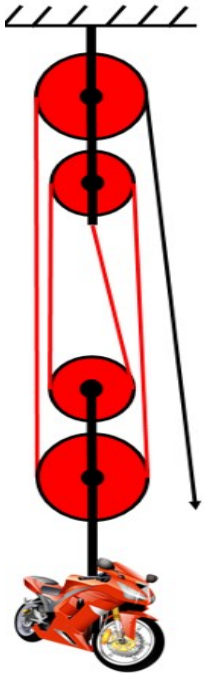Name: Jai Padhya

Given the pulley in the figure below. Fe = 90 lbs, which lifts a motorcycle, Fr = 300 lbs, What is the

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

$$IMA = 4.0$$

$$AMA = \frac{F_R}{F_E} = \frac{300}{90} = 3.3$$

$$\frac{3.3}{4} \cdot 0.825 = 82.5$$

Write ONLY answers below this line _____

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a: _____4.0_____

b: _____3.3_____

c: _____82.5_____