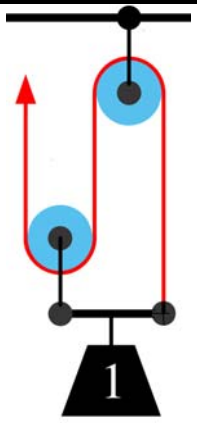
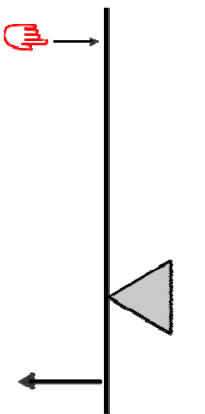
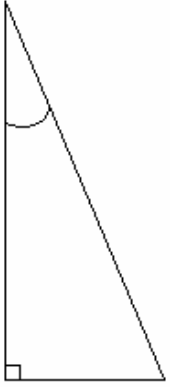


Simple Machines Worksheet

Name _____

Label the station, describe the procedures you followed, and find the IMA, AMA and Efficiency.

	$\text{IMA} = \frac{\text{Distance you move}}{\text{Distance it moves}} = \boxed{}$	$\text{AMA} = \frac{\text{Force of weight}}{\text{Force you measure}} = \boxed{}$
<p>Procedures you followed:</p>		$\text{Eff.} = \frac{\text{AMA}}{\text{IMA}} = \boxed{}$
	$\text{IMA} = \frac{\text{Effort arm length}}{\text{Resistance arm length}} = \boxed{}$	$\text{AMA} = \frac{\text{Force of weight}}{\text{Force you measure}} = \boxed{}$
<p>Procedures you followed:</p>		$\text{Eff.} = \frac{\text{AMA}}{\text{IMA}} = \boxed{}$



$$\text{IMA} = \frac{\text{Length of Ramp}}{\text{Height of Ramp}} = \boxed{}$$

$$\text{AMA} = \frac{\text{Force of weight}}{\text{Force you measure}} = \boxed{}$$

Procedures you followed:

$$\text{Eff.} = \frac{\text{AMA}}{\text{IMA}} = \boxed{}$$



$$\text{IMA} = \frac{\text{Radius of effort circle}}{\text{Radius of resistance circle}} = \boxed{}$$

$$\text{AMA} = \frac{\text{Force of weight}}{\text{Force you measure}} = \boxed{}$$

Procedures you followed:

$$\text{Eff.} = \frac{\text{AMA}}{\text{IMA}} = \boxed{}$$

