

Name: \_\_\_\_\_  
 Mr. Willis  
 Conceptual Physics: \_\_\_\_\_  
 Date: \_\_\_\_\_

Unit IV  
 Work, Power and Machines  
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# IV

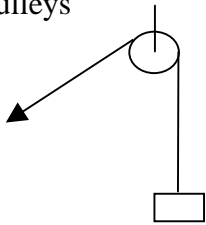
## Calculating Mechanical Advantage

List the six simple machines

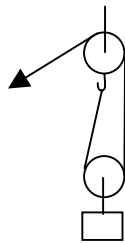
- a. \_\_\_\_\_ d. \_\_\_\_\_  
 b. \_\_\_\_\_ e. \_\_\_\_\_  
 c. \_\_\_\_\_ f. \_\_\_\_\_

Directions: Find the mechanical advantage of the following simple machines:

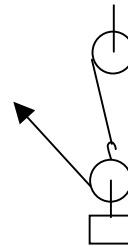
### 1. Pulleys



MA = \_\_\_\_\_

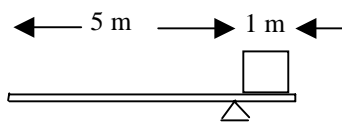


MA = \_\_\_\_\_

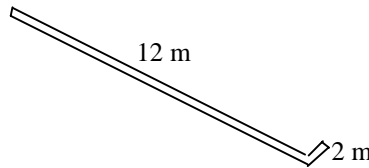


MA = \_\_\_\_\_

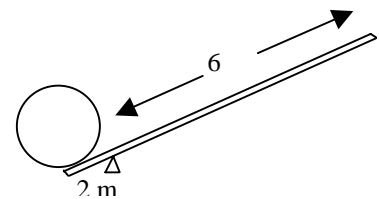
### 2. Levers



MA = \_\_\_\_\_

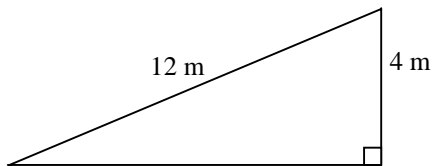


MA = \_\_\_\_\_

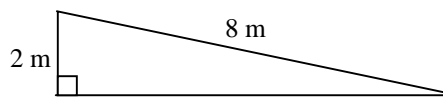


MA = \_\_\_\_\_

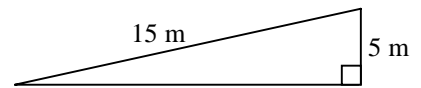
### 3. Inclined Planes



MA = \_\_\_\_\_

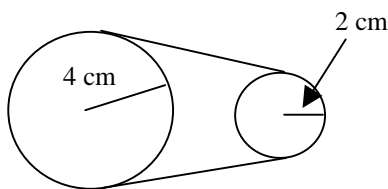


MA = \_\_\_\_\_

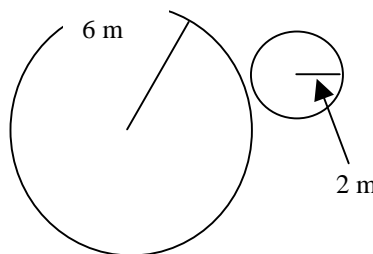


MA = \_\_\_\_\_

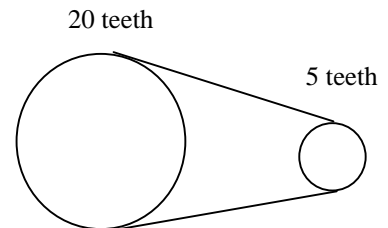
### Wheel and Axles



MA = \_\_\_\_\_



MA = \_\_\_\_\_



MA = \_\_\_\_\_