

Assignment: 4

Name: _____

Hour: ____

Simple Machines

Machine Can...

- 1.
- 2.
- 3.

Machines Can't...

- 1.
-

We use simple machines because of their....

Mechanical Advantage -

Levers:

1st Class:

2nd Class:

3rd Class:

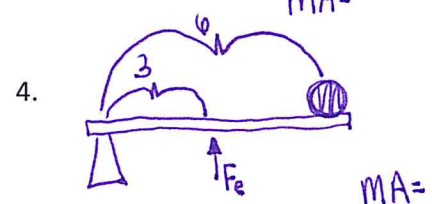
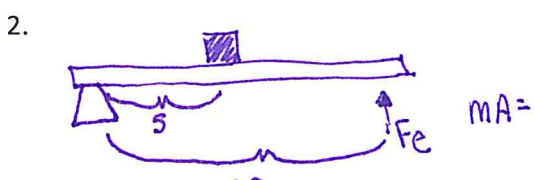
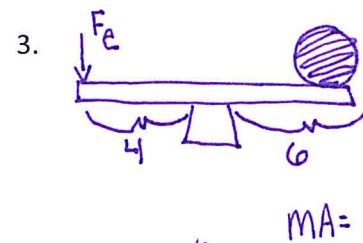
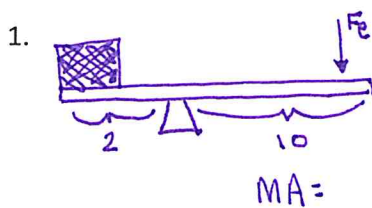
Example:

Example:

Example:

Mechanical Advantage Calculation for Levers:

Practice Problems with Levers:

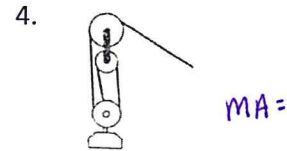
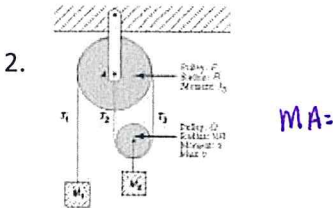
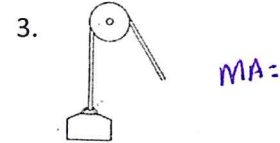
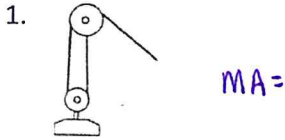


Pulley:

Examples:

Mechanical Advantage Calculation for Pulleys:

Practice Problems with Pulleys:

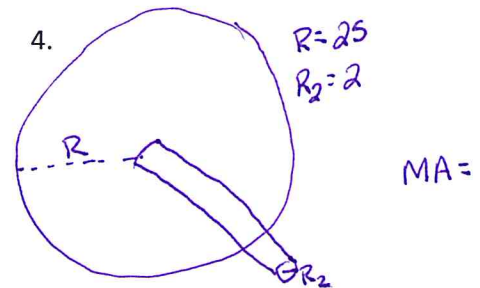
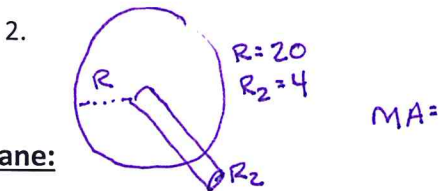
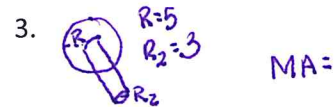
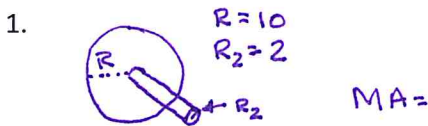


Wheel and Axle:

Examples:

Mechanical Advantage Calculation for Wheel and Axle:

Practice Problems with Wheel and Axles:

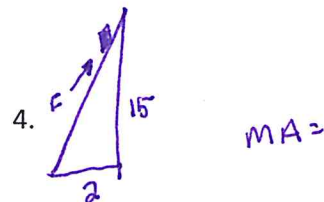
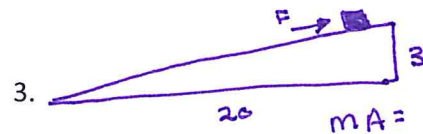


Inclined Plane:

Examples:

Mechanical Advantage Calculation for Inclined Planes:

Practice Problems with Inclined Planes:



Compound Machine:

Examples -

When it comes to inclined planes... larger the MA = to move something up it