Name:	
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Period: \_

Name the six simple machines: What is the difference between a simple machine and a machine?	Input or Output Force?        A screw applies 24 N of force.        You turn a screw with 6 N.        You lift a 10 N object.         Distance of Effort or Resistance?        You lift a box up 5 meters.	You pull with 10 N to raise a 30 N object. Find the MA of the machine. Fin = Fout = Equation = Answer =	
	You pull 10 m of rope from a pulley. You push a cart up a 8 m ramp.	Work on back	
Name: Period:	HW—4:1 — Simple Machines Mr. Murray, IPC www.aisd.net/smurray	Assigned: Fri., 2/6/04 Due: Tues., 2/10/04	
Name the six simple machines: What is the difference between a simple machine and a machine?	Input or Output Force?        A screw applies 24 N of force.        You turn a screw with 6 N.        You lift a 10 N object.         Distance of Effort or Resistance?        You lift a box up 5 meters.        You pull 10 m of rope from a pulley.        You push a cart up a 8 m ramp.	You pull with 10 N to raise a 30 N object. Find the MA of the machine. Fin = Fout = Equation = Answer =	
Name: Period:	HW—4:1 — Simple Machines Mr. Murray, IPC www.aisd.net/smurray	Assigned: Fri., 2/6/04 Due: Tues., 2/10/04	
Name the six simple machines:	<u>Input</u> or <u>Output</u> Force? A screw applies 24 N of force.	You pull with 10 N to raise a 30 N object. Find the MA of the machine.	

What is the difference between a simple machine and a machine?

Fin = \_\_\_You turn a screw with 6 N.

Fout =

Equation =

Answer =

\_\_\_\_ You lift a 10 N object.

Distance of Effort or Resistance?

\_You lift a box up 5 meters.

\_You pull 10 m of rope from a pulley.

You push a cart up a 8 m ramp.

Work on back

Name:	Don't forget the front side		HW 4:1
Period: Lab questions:		Simple machine Machine Distance of Resistance	Distance of Effort Input force Output force
Which was easier to pull, a pulley	If a pulley system has 10 ropes, what is it's mechanical advan- tage?	Anything that helps us do work with moving parts.	
with more support ropes, or less?		How much force you push with.	
As the number of support ropes increased, did you pull more rope or less through the pulley?		How far you move some help.	ething with the simple machine's
		A machine that works with only one moving part.	
		How far the object would move without the machine.	
Name:	Don't forget the front side		HW 4:1
Period: Lab questions:		Simple machine Machine Distance of Resistance	Distance of Effort Input force Output force
Which was easier to pull, a pulley	If a pulley system has 10 ropes, what is it's mechanical advan- tage?	Anything that helps us do work with moving parts.	
with more support ropes, or less?		How much force you push with.	
As the number of support ropes		How far you move something with the simple machine's help.	
increased, did you pull more rope or less through the pulley?		A machine that works with only one moving part.	
		How far the object woul	d move without the machine.
Name:	Don't forget the front side		HW 4:1
Period:Lab questions:		Simple machine Machine Distance of Resistance	Distance of Effort Input force Output force
Which was easier to pull, a pulley with more support ropes, or less?	If a pulley system has 10 ropes, what is it's mechanical advan- tage?	Anything that helps us do work with moving parts.	
		How much force you push with.	
As the number of support ropes increased, did you pull more rope or less through the pulley?		How far you move something with the simple machine's help.	
		A machine that works with only one moving part. How far the object would move without the machine.	