Name: Period:	HW—4:2 — Simple Machines Mr. Murray, IPC www.aisd.net/smurray	Assigned: Tues., 2/10/04 Due: Thurs., 2/12/04
	Input or Output Force? A lever applies 40 N of force.	You pull on the lever 60 cm from the fulcrum. The object is 10 cm from the fulcrum. Find the MA.
	You pull with 10 Newtons You lift a 20 N rock with a lever.	Fout = Fin =
	Distance of Effort or Resistance?	Equation =
What class of lever is this?	how far down you pull the lever.	Answer =
Label on the picture these five things:	how far up the object moves	
F_{in} ; F_{out} ; D_E ; D_R ; fulcrum Will this lever increase or decrease force?	From the fulcrum to the object.	Work on back
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Work on back

Will this lever increase or decrease force?

Name:	Don't forget the front side		HW 4:1
Period:			
Draw a third class leve and output forces and i	er. Show input fulcrum.	You apply 20 N of force to a lever. The MA is 0.5. How much can you lift?	
		Fout =	
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			***** 4.4
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