Name						/ 11			
Chap	ter 7 T	Test Practice	e						
Conc	eptual	Physics		Par	ent Signature:				
Sectio 1.	Work a. b. c.	A crane lifts A person can A person pu	a heavy crate rries groceries shes on a car	ing situations exe es up a set of stai which does not which moves 1	rs budge				
2.	You push on a piano with a force of 50N and move it 2m. How much work have you								
	done? a.	2 J	b. 25 J	c. 50 J	d. 100 J				
3.	Sonya performs 98 J of work against gravity while lifting a 10-kg barbell. How high does she lift the barbell?								
	a.	1 m	b. 10 m	c. 20 m	d. 50 m				
4.	Alex weighs twice as much as Bob. Bob weighs twice as much as Carlos. They each climb a flight of stairs in the same amount of time. Who has more power? a. Alex b. Bob c. Carlos d. They all have the same power								
Sectio	n 7.2								
5.	Which a.	of the follow screw	ving is <i>not</i> a s b. clock	imple machine? c. ramp	d. gears				
6.		is the mechan	ical advantag b. 2	e of the lever sh	own on page 190? d. 6				
7.		The input force on the rope and pulley shown on page 191 is 2 N. What is the output force?							
	a.	2 N	b. 4 N	c. 6 N	d. 8 N				
8.		echanical adv 2 m	vantage of the b. 5 m	ramp shown or c. 10 m	page 191 is 10. What is d. 20m	s the height?			

Section 7.3

		achine's efficie b. friction			_					
10. You build a machine which is 80% efficient. How many joules of work are put into the machine to produce 400J of output work?										
a.	50 J	b. 320 J	c. 400	J	d. 500 J					
What	is the efficiency	50 kg person up y of the elevator b. 70%	r?		ator does 7,000 J of input work. d. 100%					