Name(Do this before	ore the test, grade it and correct it on the website, turn it in before the test)
Show your work, round to about three digits total, circle your a	answers, and label them with units.
Label every force <u>right</u> or <u>left</u> ; Label every acceler	ation as either <u>accel</u> - speeding up or <u>decel</u> - slowing down
A 4.25 kg block of wood has a kinetic coefficient	of friction of 0.120 and a static of 0.330 between it and the
level floor.	
0. Calculate the kinetic friction force , and the max	ximum static friction force. If the block were at rest, and you
exerted a force to the right of 15.0 N, would the bl	ock begin to move? What if the force was 12.0 N? Support
your answer with numbers.	-
1. If the block is sliding to the right, and I exert a fo	orce of 7.80 N to the right, what is the acceleration of the
block?	-
2. If the block is sliding to the left, and I exert a for	rce of 3.50 N to the right, what is the acceleration of the block?
	ng to the right at 2.35 m/s/s, what must be the outside force
acting on the block?	
	ng at 3.12 m/s/s, what must be the outside force acting on the
block?	