NAME	E: DATE:	Period
Force AND Kinematics problems exam review Define: Newton's 1 st law –		
Newton's 2 nd law –		
Newton's 3 rd Law –		
Friction –		
Force –		
Free Body Diagram –		
Draw and solve each problem.		
1.	A Vincent Black Shadow motorcycle has a curb weight of 2500N. What is its mas	s?
2.	That same motorcycle has a normal force of	
3.	If Hunter S. Thompson (78kg) was riding that motorcycle and accelerating at 3.0 what is the total net force?	m/s²,
4.	If the motorcycle has a kinetic frictional coefficient of 0.095, what is the kinetic f (F_k) ?	orce
5.	"Enrique the wonder goat" is on an ice rink with almost no friction. He has a mass 40kg and it takes 10N to get him to move on the ice. What is his static frictional coefficient μ_s ?	ss of
6.	If "Enrique the wonder goat" were on an incline of 10°, would he slide?	

7. The wind has a force of 501N on news anchor Anderson Cooper in a severe storm. He

slide away, out of the camera's view?

has a mass of 80kg. What would the static frictional coefficient have to be for him to not

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