



PHYSLETS ANSWER SHEET

ES2A4

Energy / Set 2 / Animation 4

Name _____ Class _____

<Show all work on calculations. Include proper units. Explanations require complete sentences.>

1) Calculate the work done by each car's engine. (assume that the Corvette and the pickup truck have a constant acceleration throughout the animation.)

Honda: _____ J Corvette: _____ J pickup truck: _____ J

2) Calculate the power exerted by each car's engine.

Honda: _____ W Corvette: _____ W pickup truck: _____ W

3) Which vehicles start out with the same kinetic energy?

Explain:

4) Which vehicles end up with the same kinetic energy?

Explain: