



PHYSLETS ANSWER SHEET

ES2A5

Energy / Set 2 / Animation 5

Name _____ Class _____

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

1) Calculate the work done by each vehicle's engine . (Assume that the Corvette and the pickup truck have constant accelerations throughout the animation time period.)

Honda : _____ J Corvette: _____ J Pickup Truck: _____ J

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

Honda : _____ W Corvette: _____ W Pickup Truck: _____ W

3) Which vehicles have the same kinetic energy at the start of the animation?

Explain:

4) Which vehicles have the same kinetic energy at the end of the animation?

Explain:
