

Name: _____

Period: _____

HW Unit 9:7—TAKS review
Mr. Murray, IPC
cstephenmurray.com

A-day: Due Thurs., 4/5 (Assig: 4/3)

B-day: Due Wed., 4/4 (Assig: 4/2)

1. A 6 kg object is pushed by a 10 N force for 4 seconds. After that it is going 8 m/s. Answer the following.
 - A) What variable is 6 kg?
 - B) What variable is 10 N?
 - C) What variable is 4 sec?
 - D) What variable is 8 m/s?
 - E) What kind of energy did it have after it was pushed?
 - F) What is the weight of the object?
 - G) Calculate the kinetic energy of the object?
 - H) Calculate the momentum of the object.
 - I) Calculate the work done if it was pushed for 5 meters.
 - J) After it is pushed, how far will it go in 2 seconds?
 - K) Find the acceleration on the object.

2. A resistor has 10 V of electricity going thru it. How much current will it have flowing thru it if it is a 2Ω resistor?

3. (Power is measured in watts) How much power does a 5 volt battery use if it produces 8 amps?

4. What is the oxidation # of Fluorine?

5. Is Magnesium a metal or nonmetal?

6. How many valence electrons does Carbon have?

7. Is this circuit in parallel or series?

8. What is the total voltage?

9. What is the voltage across the 2Ω resistor?

10. Find the current going thru the 2Ω resistor.

11. Find the current going thru the 4Ω resistor.

12. What is the total current?

13. What is the total resistance of the circuit?

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