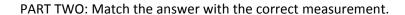


NAME:	PERIOD:	DATE:

MEASURING MOTION CLASSWORK 1

PART ONE: For the following statements. Circle all that are correct.

- 1. Motion...
- A. is always accelerating
- B. can be detected with a frame of reference
- C. can be measured
- 2. A frame of reference...
- A. should be small so you can see the motion
- B. should be in front of the moving object
- C. should not be moving
- 3. Speed...
- A. is a measurement of the force of gravity on an object
- B. is a measurement of how quickly an object changes position
- C. is a measurement of how quickly an object changes velocity



4 25 miles/nour northeast	A. acceleration	
52.5 meters/sec/sec	B. speed	
6 12 miles/hour	C. time	
7 10 minutes	D. velocity	
PART THREE: Do the following speed calculations. Show the formula. Make substitutions. Show your work. Label the answer. Circle the answer.		

9. Ian took 6 hours to get the 300 miles to get to Pittsburgh. What was his average speed?

8. Angel rode her motorcycle 150 miles in 3 hours. What was her average speed?

10. Morgan drove his tractor for 10 hours. He covered 2 mile of his field. What was his average speed?