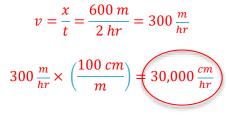
Appendix A: Pre/Post Speed Quiz Answer Key

1. A submarine travels 600 meters in 2 hours, what is the speed of the submarine? Once speed is solved, convert the speed to cm per hour (circle your answer).

Speed = Distance / Time



2. If Johnny Football runs 40 yards in 6.3 seconds, how fast is he moving? Round your answer to the nearest hundredth.

$$v = \frac{x}{t} = \frac{40 \ yd}{6.3 \ s} = 6.35 \frac{yd}{s}$$

3. If I live 3 miles from school and leave my house at 8:20am, how fast will I need to drive to be there by 8:30am? (Your answer can be in miles per minute or miles per hour)

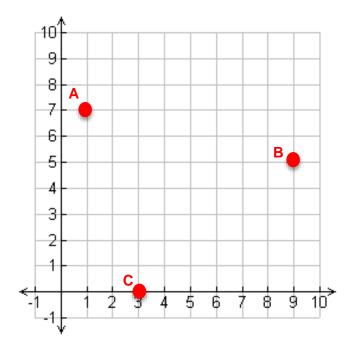
$$v = \frac{x}{t} = \frac{3 mi}{10 min} = 0.3 \frac{mi}{min}$$
$$0.3 \frac{mi}{min} \times \left(\frac{60 min}{hr}\right) = 18 mph$$

4. If Justin Bieber is driving his car 55 miles per hour for 5 hours, how far will he have traveled?

 $x = v \times t = (55 mph) \times (5 hr) = 275 miles$

5. SpongeBob swims 10 miles per hour and gets to a town 75 miles away. How long did it take him?

$$t = \frac{x}{v} = \frac{75 \ mi}{10 \ mph} = 7.5 \ hr$$



On the graph below, graph the following points and label them. A (1,7) B (9,5) C (3,0)

6. Which vehicle is moving faster, A or B?

