Textbook Sections 9.2, 9.5, 9.7, 10.3, 10.4, 10.7

1. I know how to identify significant digits and can express calculations in appropriate significant digits when asked.
2. I can make simple conversions; second – minutes – hours, km – m – cm, and know how to use my student agenda conversion table on page R-10.
3. I can use scientific notation to perform calculations and express numbers.
4. I know that delta (a small triangle) represents a change in the variable
5. I am able to manipulate the formula for velocityto solve for distance and time.
6. After reading and highlighting the important information in a word problem, I am able to solve for velocity, distance or time based on the provided information
7. I know that slope is represented by rise over run and can apply this to distance time graphs to explain different examples of velocity using words and diagrams to express fast velocity, slow velocity, zero movement and backward movement.
8. When given a distance time graph, I can explain different velocities based on a steep slope, zero slope, average steep slope, downward slope and can identify positive or negative slopes
9. When given data for distance and time, I can use graph paper to create a distance time graph that represents the slope (velocity) of the given data.
10. I know what average velocity is.
11. I know what instantaneous velocity is.
12. I can define constant velocity.
13. I can explain acceleration.
14. I know how to manipulate the formula for acceleration to solve for change in velocity and time.
15. After reading and highlighting the important information in a word problem, I am able to solve for acceleration, change in velocity or time based on the given information
16. When given a speed time graph for acceleration, I can explain different accelerations based on a steep slope, zero slope, average steep slope, downward slope and can identify positive and negative slopes as applied to acceleration
17. When given data for velocity and time, I can use graph paper to create a speed time graph that represents the slope(acceleration) of the given data

Key Terms

Acceleration

Average speed

Constant speed

Distance

Instantaneous speed

Rounding

Significant digits

Slope

Time

Review questions

p. 376-377

1, 2, 4, 7-9, 11

p. 410-411

2, 3 (a-e), 7-10