

Name: _____

Date: _____

Period: _____

Unit P1 Review (Motion) - Part I

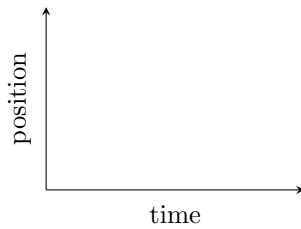
1. Define the following terms in your own words.

(a) Velocity:

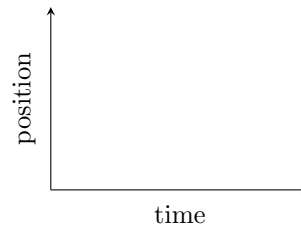
(b) Acceleration:

2. Draw the following distance-time graphs.

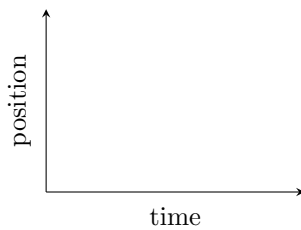
(a) Not moving



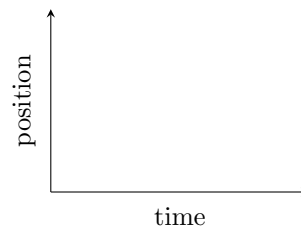
(d) Forward and speeding up



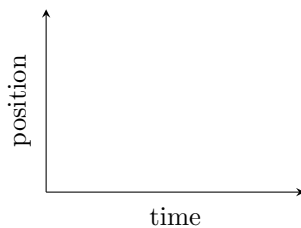
(b) Forward at a constant speed



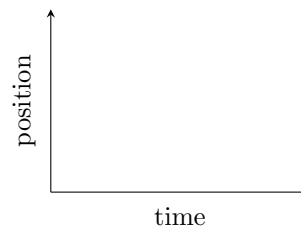
(e) Backward and speeding up



(c) Backward at a constant speed



(f) Forward and slowing down



3. How much time does it take for a car to travel at 28.4 m/s to travel 3000 meters?

Knowns/Unknowns

Plug & Chug

Answer w/ Units

Name:

Date:

Period:

4. If a car is initially traveling forward at 15 m/s, how fast will it be going in 1.2 seconds if the acceleration is -10 m/s/s ?

Knowns/Unknowns	Plug & Chug	Answer w/ Units

5. What is the speed of an object that travels 35 meters in 9 seconds?

Knowns/Unknowns	Plug & Chug	Answer w/ Units

6. Draw a graph for the following situation:

- (a) I start at school and drive forward 2 miles in 4 minutes.
- (b) Then I get stopped at a red light for 1 minute.
- (c) The light turns green and I go forward 2 miles in 5 minutes.
- (d) I turn around and go back to school because I forgot my phone. It makes me 6 minutes to get back.
- (e) It then takes me 4 minutes to go 1 mile forward because of traffic.

