Name:		

Period:

Chapter 1 and 2 Review

Ch.1and 2 R

Ch 1:1 The Math Code - Know what the variables mean, what their units are and how to read the math code (including how to rearrange equations).

$mv = m \underline{times} v$	Match the variables with the quantities.		Equation: $S = \Delta D/\Delta T$;	$a = \Delta S/\Delta T;$
F/a = F a	1. a =	80 sec	solve for ΔD .	solve for ΔS :
thought to the second	2. S or v =	3 meters/sec	Address of the second of the s	
$T_2 + T_1 = T_2 \underline{\hspace{1cm}} T_1$	3. D =	43 m/s ²		Solve for ΔT :
mv = m v	4. F =	45 meters	and the second of the second	bosg2 1
$\Delta D/\Delta T = \Delta D$ ΔT	5. T =	22 newtons	B. The commercial the plan	
	Long Town			

Ch 1:2 Speed - Know how to use and manipulate the speed equation to calculate speed, distance, and time.

2	A car travels 10 m/s for 5 secs. Calculate how far it traveled.		Maine (100 miles away) to Vermont (300 miles by), in 4 hours. Calculate your speed.
Variables:	Formula: Solution:	variables.	Formula: Solution:
	bike goes 12 m/s for 6 seconds. alculate how far the bike traveled.		a friend at 6 p.m. She lives 180 miles away. The nit is 60 mph. When do you need to leave?
Variables:	ATTENDED AND STORY STREET, STORY CONTRACTOR	Trails with the	CA - B SEND SIZE ISVA THE EQUIPMENDAL ED. D. J.
variables.	Formula: Solution:		Formula: Solution:

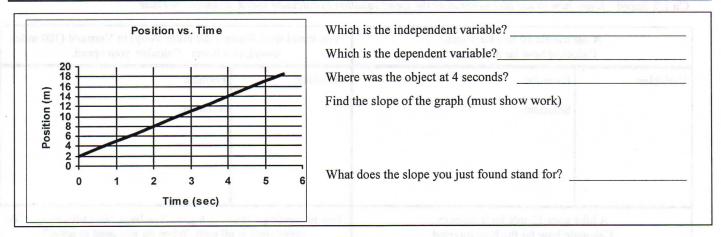
Ch 1:2 and 1:3 Experiments and Variables - Know the Scientific Method; know what makes a good experiment; know the vocabulary; know the difference between an experimental variable and a control variable.

1. Experiment	A. One time an experiment is run.	Experimental or Control variable:		
2. Data Table	B. How an experiment is actually conducted.	Variables that you keep the same in an experiment:	You are studying the affects of pressure on gas absorption in a liquid. The amount of gas pressure would	
3. Trial	C. A setup used to gather data and knowledge.	A variable that you are studying in an experiment:	be:	
4. Variable	D. A list of information from an experiment.	You have only one of these:	The type of liquid would be:	
5. Procedure	E. A part of an experiment that can be changed or manipulated.	You can have many of these:	The room temperature would be: The type of container would be:	
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Ch 1:4 Slope - Know how to calculate slope and know what slope means for a position vs. time graph and a speed vs. time graph.

A. The variable on the vertical axis (y-axis).	Position vs. Time	
B. The slope of a speed vs. time graph.		Which segment is:
C. The variable on the horizontal axis (x-axis).	u i i	At rest: Fast speed:
D. A type of graph that looks like a straight	Posit	Slow speed:
line.	A B	Going backwards:
E. The measure of the steepness of a line.		Going forward:
F. The slope of a position vs. time graph.	Time	
	 B. The slope of a speed vs. time graph. C. The variable on the horizontal axis (x-axis). D. A type of graph that looks like a straight line. E. The measure of the steepness of a line. 	B. The slope of a speed vs. time graph. C. The variable on the horizontal axis (x-axis). D. A type of graph that looks like a straight line. E. The measure of the steepness of a line.



Ch 2:1 Acceleration and Average Speed - Know how to calculate acceleration and average speed. Know the difference between speed and velocity and scalar vs. vector quantities.

		n 3 m/s to 9 m/s in 2 seconds. son's acceleration.			from 300 mph in 15 seconds. the planes acceleration.
Variables:	Solve:		Variables:	Sol	lve:
	an lating			delina - Kroni i ka e digita ka e digita	A Committee of the state of separation of the state of separations of the state of separation of the state of the sta
Speed (S) or Veloc A person walks mph. A bird flies 20 person walks mph. A bird flies 20 person ward town.	3.5 m/s.	Scalar (S) or Vector (V) A 50 N force pulls on a rock. 10 meters down the hill. 60 mph toward Austin.	Speed	peed vs. Time	Which graph segments fit the following: Constant speed: Deceleration: Accelerating:

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Time

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