Name:	Period:	

Speed, Velocity and Acceleration Homework

1. If Chris throws the baseball 60 meters in 4 seconds, what is the average speed of the football?

Show your work

Answer

Units

- 2. An airplane travels 4000m in 16 seconds on a heading of 35°. What is its velocity? Show your work Answer Units Direction
- 3. A bicycle is heading West. It goes 5000m in 500s. What is its velocity?

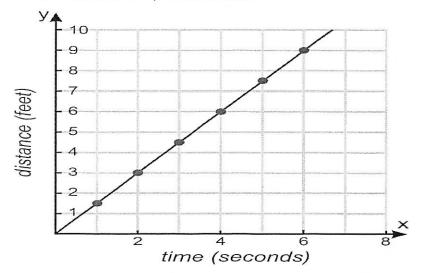
 Show your work

 Answer

 Units

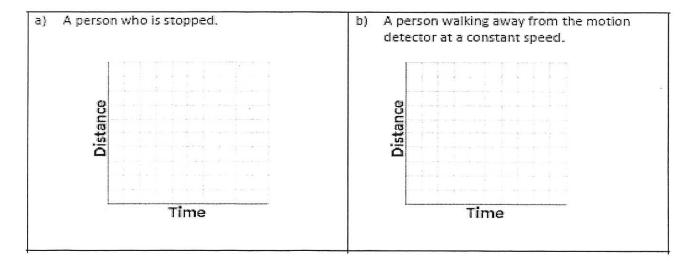
 Direction

4. Calculate the speed of the line?



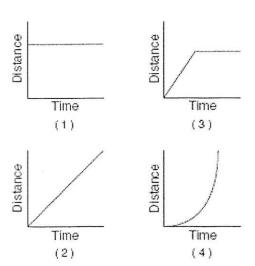
	0	0	0	0	0	0
	①	1	①	①	1	①
	2	2	2	2	2	2
	3	3	3	3	3	3
,	4	4	4	4	4	4
	(5)	(5)	(5)	(5)	(5)	(5)
-	6	6	6	6		6
	⑤⑦	7	7	7	6 7	7
	(8)	8	(3)	8	(8)	8
	9	9	9	9	9	9

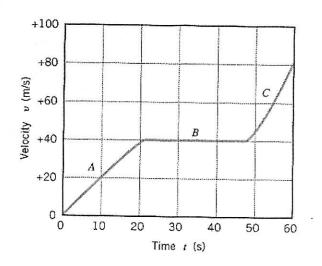
5. Draw a distance-time graph for each of the following situations.



Match up graphs 1-4 with the correct description of the motion of the object for section one, and then use the section two graph to complete questions 5-7.

Graph 5





- Object is staying in the same place.
- 7. . _____ Object is moving at a constant velocity
- **8.** _____ Object is accelerating.
- 9. _____Object is moving at a constant velocity and then stops/stays in the same place.

