

Unit 4 Block 5

Part I: Find the rate for each graph or table.

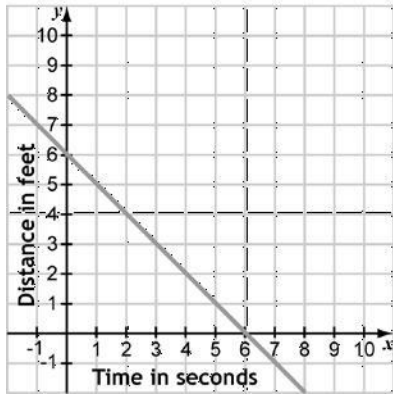
1. Rate = _____

Time (sec)	Dist (ft)
0	1
1	6
2	11

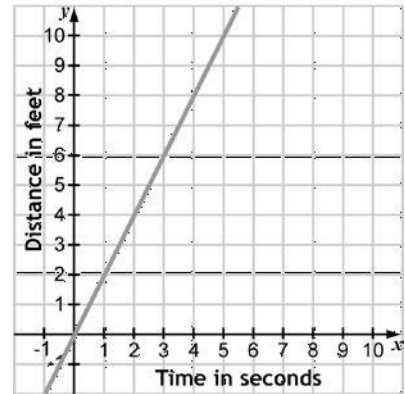
2. Rate = _____

Time (sec)	Dist (ft)
0	1
3	7
6	13

3. Rate = _____



4. Rate = _____



Part II: Match each rate with a table and graph.

	TABLE (A-D)	GRAPH (W-Z)
5. Rate of 2 feet per second		
6. Rate of -2 feet per second		
7. Rate of 1 foot per second		
8. Rate of -1 foot per second		

A.

Time (sec)	Dist (ft)
0	2
4	6
8	10
12	14

B.

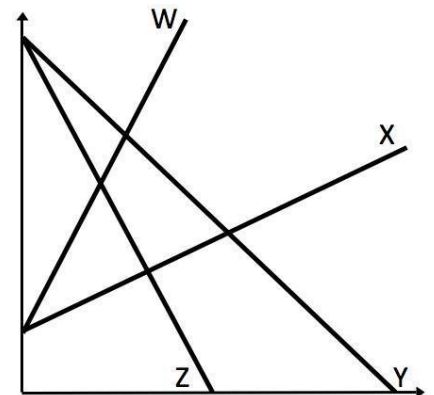
Time (sec)	Dist (ft)
0	2
2	6
4	10
6	14

C.

Time (sec)	Dist (ft)
0	12
2	8
4	4
6	0

D.

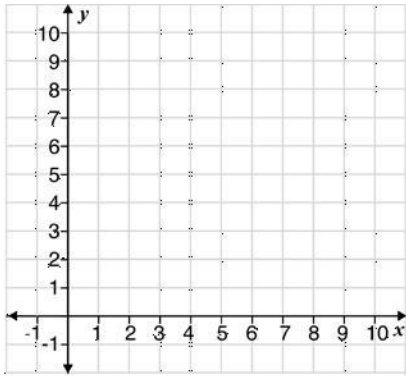
Time (sec)	Dist (ft)
0	12
4	8
8	4
12	0



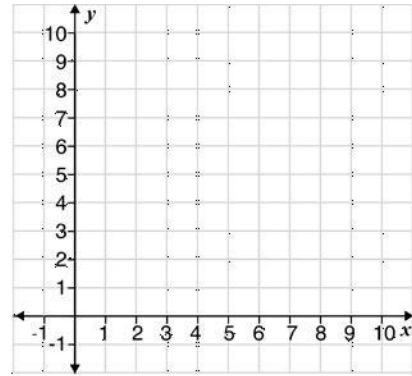
9. Describe the strategy you used to match the rates with the tables and graphs.

Part III: Sketch a graph of distance versus time for each description. Label each graph.

10. Elevator: rate of 2, starting at floor 5

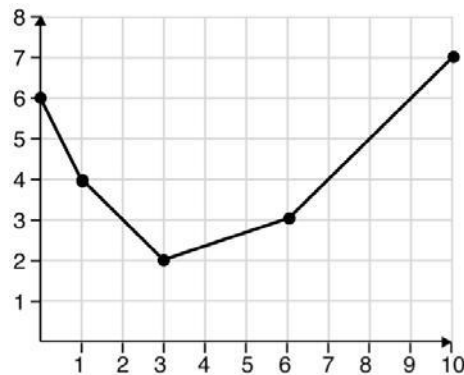


11. Terrence started 2 feet from the motion detector and skated away at 5 feet per second.



12. The graph shows data collected from a skateboarder's skate. Fill in the missing data from the table. Then use the table to answer the following questions.

Time (sec)	Distance (ft)
0	
1	
3	
6	
10	



- Find the skateboarder's average rate between 0 and 1 second.
- Find the skateboarder's average rate between 1 and 3 seconds.
- Find the skateboarder's average rate between 3 and 6 seconds.
- Find the skateboarder's average rate between 6 and 10 seconds.
- Look over your answers for parts a-d. Compare the rates for parts a and b to the rates for parts c and d. What do you notice? What does this mean?

