Senior Math Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Hr\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Review - Position/Time Graphs

For question 1-4, match the given scenarios with the correct graph. Each scenario below is looking at how far each friend is from the Cedar Point entrance over time. Distance is in feet and time is in seconds.

1. Kevin starts a certain distance from the Cedar Point entrance, walks towards the entrance and then begins to walk away. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Connie starts at the Cedar Point entrance and walks away from it.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. Fred starts a certain distance from the Cedar Point entrance, walks away from the entrance and then walks back towards the entrance. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. Larry starts a certain distance from the Cedar Point entrance and walks towards it. \_\_\_\_\_\_\_\_\_\_\_
5. Describe the motion of the person in each graph. The scenario is the distance of four different friends from home plate on a baseball diamond.

 Alex:

Carol

Alex

 Carol:

 Grace:

Ben

Grace

 Ben:

Question 6 & 7 are true or false questions. Distance from the Pharmacy

1. Use the graph to the right🡪
2. Gabe & Hannah start at the exact same place.

\_\_\_\_\_\_\_\_\_\_\_

1. Gabe walks faster than Hannah.

\_\_\_\_\_\_\_\_\_\_\_

1. Hannah arrives at the pharmacy after Gabe.

\_\_\_\_\_\_\_\_\_\_\_

1. Use the graph to the right🡪 Distance from the Pool



1. Jane and Ian are both walking away from the pool.

\_\_\_\_\_\_\_\_\_\_\_\_

1. Jane and Ian arrive at the pool at the same time.

\_\_\_\_\_\_\_\_\_\_\_\_

1. Jane and Ian are moving at the same rate.

\_\_\_\_\_\_\_\_\_\_\_

8. Each of the graphs below represent a person’s distance from the office store. Describe where the person starts and discuss their direction and rate of travel over time.

 Graph A:

 Graph B:

 Graph C:

 Graph D:

For question 9 & 10 state as much as you know about the graph and given scenario.

9. Scenario: The graph below displays the distance a pigeon is from a piece of bread.

 Explain what you know about the graph and scenario:

10. Scenario: The graph below displays the distance a car is from the RETC.

 Explain what you know about the graph and scenario:

For question 11-13, identify the slope-intercept equation for the graphs given.

11. Graph A Equation: 12. Graph B Equation: 13. Graph C Equation:

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14. Create a scenario for the graph given below. Explain what is happening for every piece.

15. Create a scenario for the table given below. Explain the starting distance and the rate.

16. Create a graph for the given scenario. Be sure to label the x and y-axis and to label your key points on the graph.

Scenario:

 Jane started out at the lake.

She began to walk away and was 22 feet away after 8 seconds.

She paused and waited for her husband to catch up for 5 seconds.

