

# Distance on the Coordinate Plane Review

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## Understanding Graphing and Navigation

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Answer the following questions based on the lesson about distance on the coordinate plane.

1. What makes distance calculation easier when points share an x or y coordinate?

- A. Subtraction
- B. Addition
- C. Multiplication

2. How can coordinate skills help us understand the world? Provide an example.

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3. We use absolute value to calculate negative distances.

- True       False

4. To find the distance between two points on the same vertical line, you use \_\_\_\_ subtraction.

5. What is the first step in calculating distance between two points?

- A. Identify the coordinates
- B. Draw a line
- C. Count the grid spaces

6. Why is it important to read coordinates accurately?

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7. Coordinate systems are only used in math classes.

- True       False

8. Proverbs 3:5-6 reminds us to trust in Yahweh with all your heart and to not lean on your own \_\_\_\_.

9. Where do we often see coordinate systems in real life?

- A. In video games
- B. On maps
- C. In cooking recipes

10. How might map makers use coordinate systems?

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### Answer Key

1. Subtraction   2. Coordinate skills help us navigate maps. For example, we can find a location using coordinates on a map.   3. False   4. vertical   5. Identify the coordinates   6. Accurate reading of coordinates ensures we find the correct distance and location on the graph.   7. False   8. understanding   9. On maps   10. Map makers use coordinate systems to accurately place locations and ensure users can find them easily.

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