

Coordinate Plane Patterns Review

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Exploring Patterns and God's Design

Name: _____

Date: _____

Answer the following questions based on the lesson about coordinate planes and patterns.

1. What is a coordinate plane and why is it important in creating patterns?

2. What does Proverbs 3:19 teach us about God's creation?

- A. God created the earth with chaos
- B. God founded the earth with wisdom
- C. God established the heavens randomly

3. Patterns on the coordinate plane demonstrate underlying ___ order.

4. Coordinates can only create random shapes and not recognizable patterns.

- True False

5. How might mathematical patterns reflect God's creative design?

6. What can you create by plotting points on a coordinate plane?

- A. Only lines
- B. Only circles
- C. Shapes and designs

7. When plotting points, the ___ axis is horizontal and the ___ axis is vertical.

8. Recognizing patterns in nature can help us understand mathematical concepts better.

- True False

9. What pattern did you create during the Coordinate Plane Pattern Challenge? Describe it briefly.

10. Which of the following best describes the relationship of coordinates to each other?

- A. They are always random and unrelated
- B. They have a specific order and can create patterns
- C. They only work in three dimensions

Answer Key

1. A coordinate plane is a grid where we can plot points using pairs of numbers. It's important because it helps us visualize and create patterns systematically. 2. God founded the earth with wisdom 3. mathematical 4. False 5. Mathematical patterns show order and precision, which reflect the way God created the universe with intention and design. 6. Shapes and designs 7. x, y 8. True 9. I created a square by plotting points at (1,1), (1,3), (3,1), and (3,3). It was fun to see how the points connected to form a shape! 10. They have a specific order and can create patterns