Geometry Questions

1. Explain how a line is different from a line segment.
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2. Use a red crayon to trace one pair of parallel lines in the trapezoid below.
   
   [Diagram of a trapezoid]

3. How are the sun's rays like mathematical rays?
   ______________________________________________________
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4. Color the shapes below that have perpendicular line segments.
   
   [Diagram of shapes with one rectangle, one triangle, one parallelogram, and one square]

5. Are the metal rails that make up train tracks an example of parallel lines, intersecting lines, or perpendicular lines? Explain.
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1. Explain how a line is different from a line segment.

   **A line is a straight path that goes on forever in both directions. A line segment is a small part of a line with two endpoints.**

2. Use a red crayon to trace one pair of parallel lines in the trapezoid below.

   ![Trapezoid with parallel lines](image)

3. How are the sun’s rays like mathematical rays?

   **Mathematical rays have one endpoint and continue in a straight path forever. The sun’s rays start at the sun and radiate outwards forever into space.**

4. Color the shapes below that have perpendicular line segments.

   ![Shapes with perpendicular line segments](image)

5. Are the metal rails that make up train tracks an example of parallel lines, intersecting lines, or perpendicular lines? Explain.

   **The metal rails on train tracks are parallel lines because they do not cross over each other.**