Lesson 19: Problem Solving and the Coordinate Plane

Problem Set

1. One end point of a line segment is . The length of the line segment is units. Find four points that could serve as the other end point of the given line segment.
2. Two of the vertices of a rectangle are and . If the rectangle has a perimeter of units, what are the coordinates of its other two vertices?
3. A rectangle has a perimeter of units, an area of square units, and sides that are either horizontal or vertical. If one vertex is the point and the origin is in the interior of the rectangle, find the vertex of the rectangle that is opposite .