

Geometry

Unit: Lines and the Coordinate Plane

Section: Graphing the Equation of a Lines

Ordering: Constructing Perpendicular Lines

Directions: Place the steps for constructing a line perpendicular to a given line through a given point.

- Use your ruler and draw a straight line from the point through the line.
- Without changing the compass, from each intersecting arc on the line, construct two arcs on the side opposite the given point.
- From the point not on the line stretch the compass and mark two arcs on the line.

Answers:

1. From the point not on the line stretch the compass and mark two arcs on the line.
2. Without changing the compass, from each intersecting arc on the line, construct two arcs on the side opposite the given point.
3. Use your ruler and draw a straight line from the point through the line.