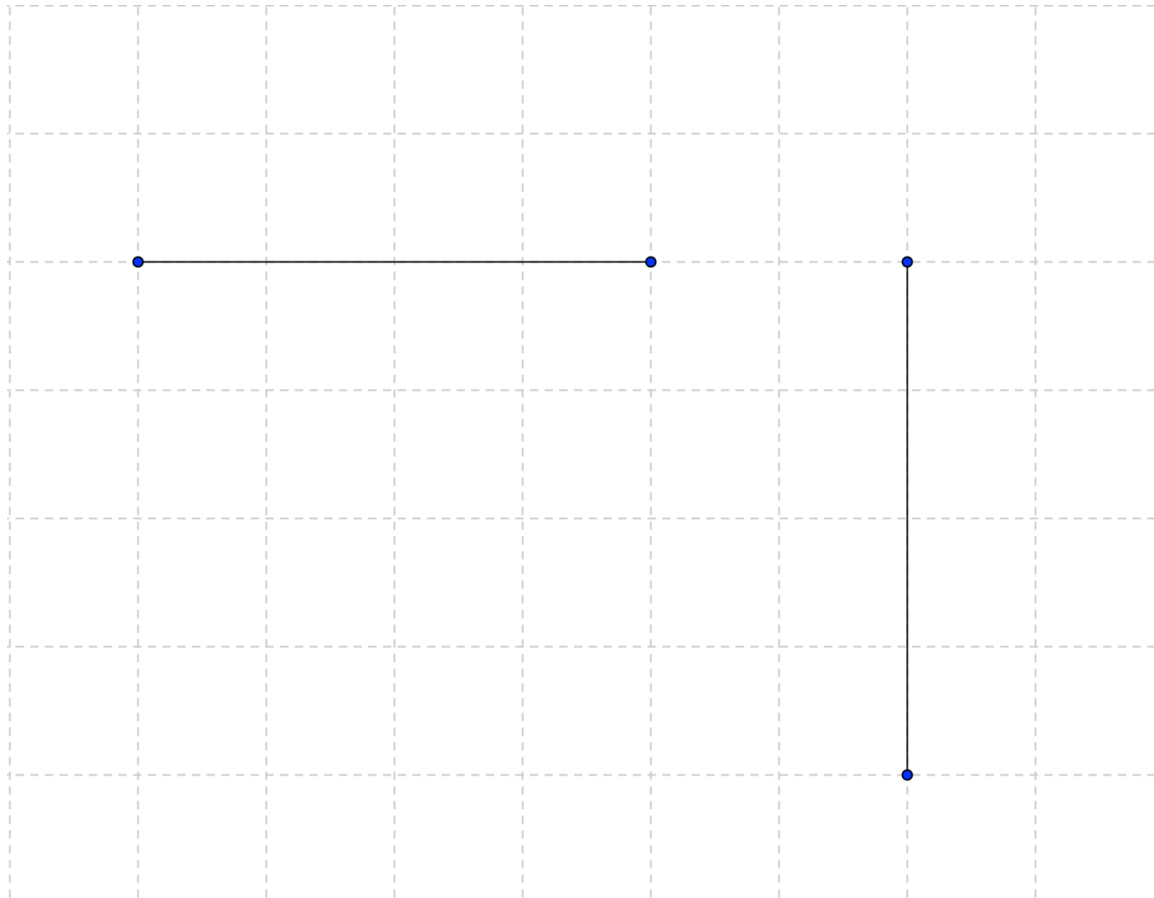# Line Segment Rotation Problem

The two line segments below are related by a rotation—one is the result of rotating the other. Determine the center of the rotation and the angle of the rotation. Justify your answers. Is there more than one possible answer? Why or why not? If there is more than one answer, describe all possible answers.

Point Rotation Problem

The two points below are related by a rotation—one is the result of rotating the other. Determine the center of the rotation and the angle of the rotation. Justify your answers. Is there more than one possible answer? Why or why not? If there is more than one answer, describe all possible answers.