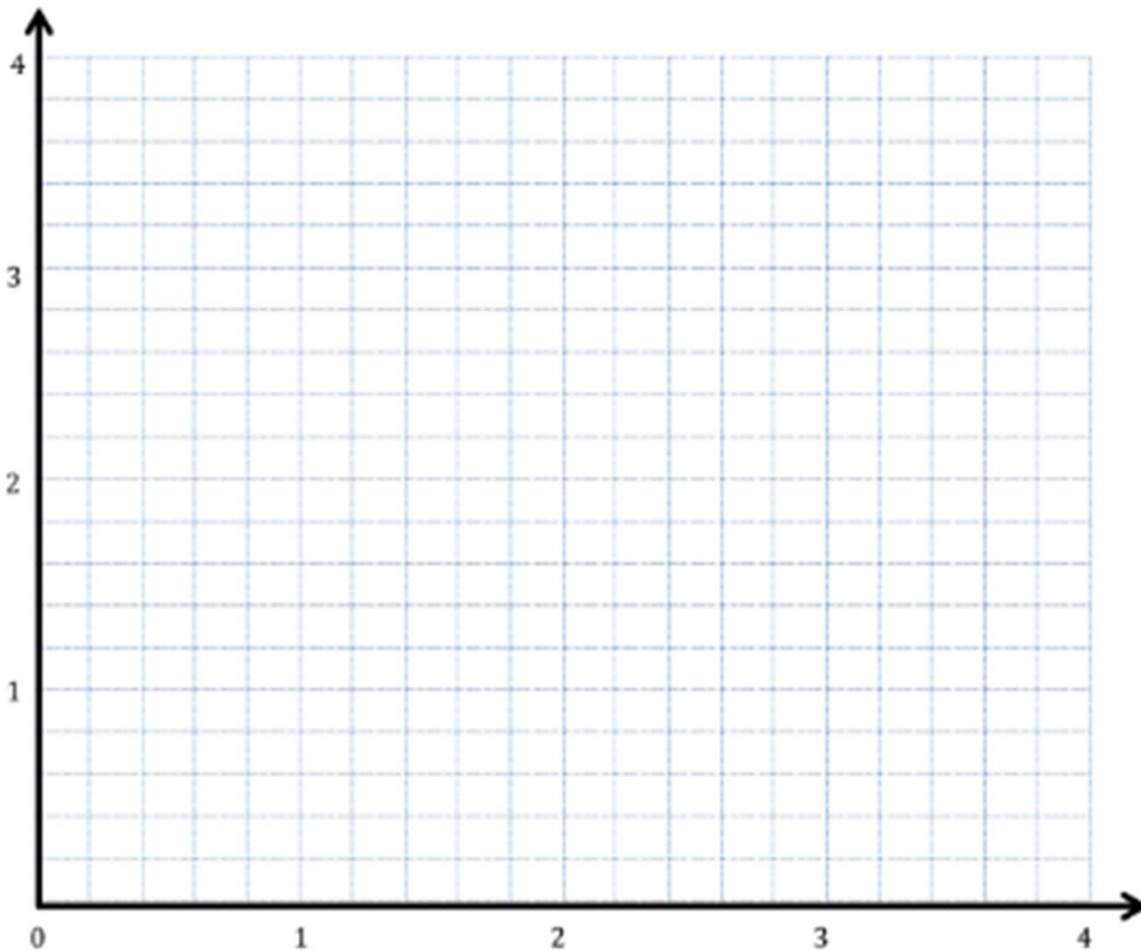# Coordinate Geometry Worksheets

3. Complete the following tasks on the plane below.

   a. Construct a line m that is perpendicular to the x-axis and 3.2 units from the y-axis.

   b. Construct a line a that is 0.8 unit from the x-axis.

   c. Construct a line t that is parallel to line m and is halfway between line m and the y-axis.

   d. Construct a line h that is perpendicular to line t and passes through the point (1.2, 2.4).

   e. Using a blue pencil, shade the region that contains points that are more than 1.6 units and less than 3.2 units from the y-axis.

   f. Using a red pencil, shade the region that contains points that are more than 0.8 unit and less than 2.4 units from the x-axis.

   g. Give the coordinates of a point that lies in the double-shaded region.

Coordinate Geometry Worksheets

3. Complete the following tasks on the plane below.

   a. Construct a line m that is perpendicular to the x-axis and 3.2 units from the y-axis.

   b. Construct a line a that is 0.8 units from the x-axis.

   c. Construct a line ℓ that is parallel to line m and is halfway between line m and the y-axis.

   d. Construct a line h that is perpendicular to line ℓ and passes through the point (1.2, 2.4).

   e. Using a blue pencil, shade the region that contains points that are more than 1.6 units and less than 3.2 units from the y-axis.

   f. Using a red pencil, shade the region that contains points that are more than 0.8 units and less than 2.4 units from the x-axis.

   g. Give the coordinates of a point that lies in the double-shaded region. (2.2, 1.8)