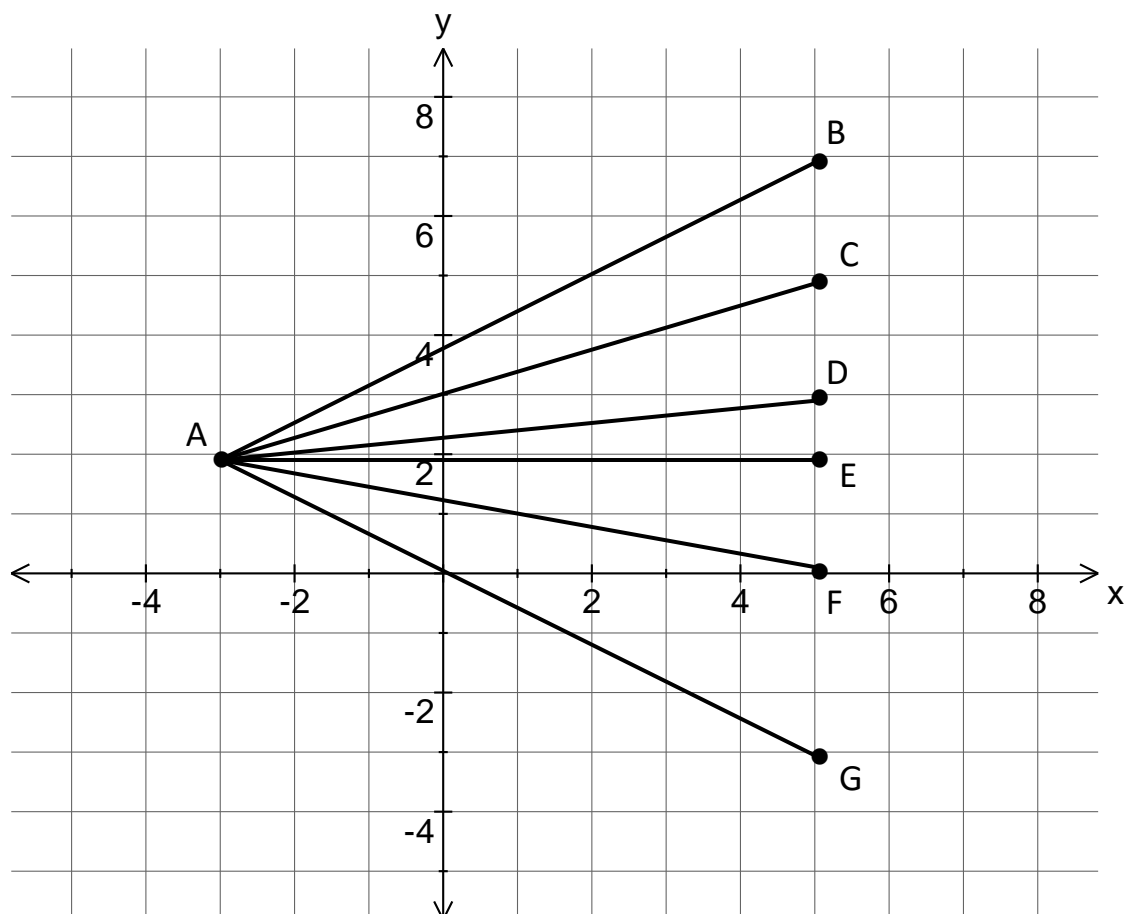1.   Determine the slope of each line: AB, AC, AD, AE, AF, AG.

2.   Without graphing determine the slope between each pair of points.

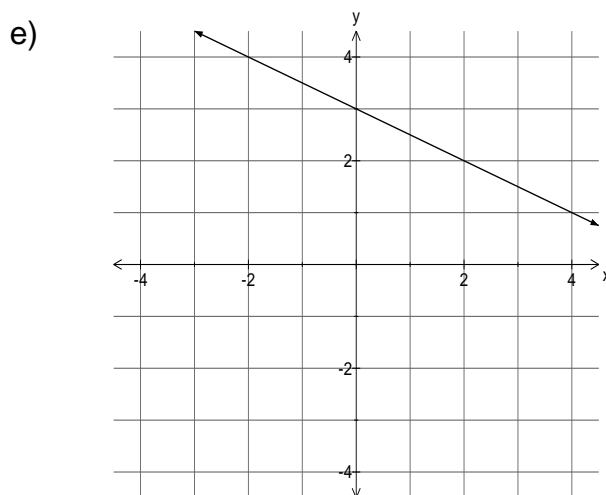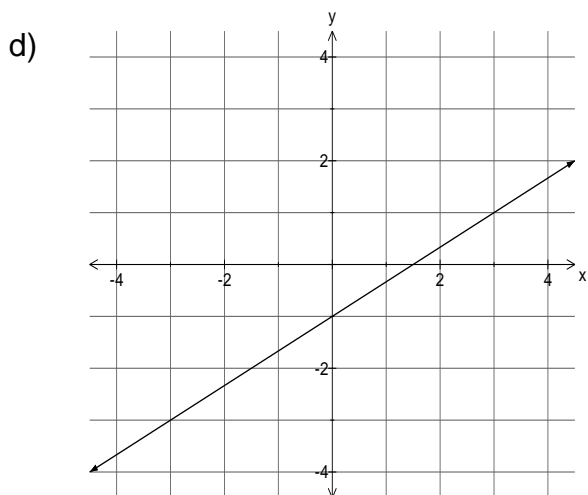   a) $A(-2, 7)$ and $B(6,-4)$ b) $L(4, -3)$ and $M(7, -7)$

3.   Write the equation of each line in slope-intercept form.

   a) That has a y-intercept of -5 and a slope of 3.

   b) That passes through the point $(-2, 3)$ and has a slope of $\dfrac{1}{2}$.

   c) That passes through the point $(-4, 3)$ and has a slope perpendicular to the line
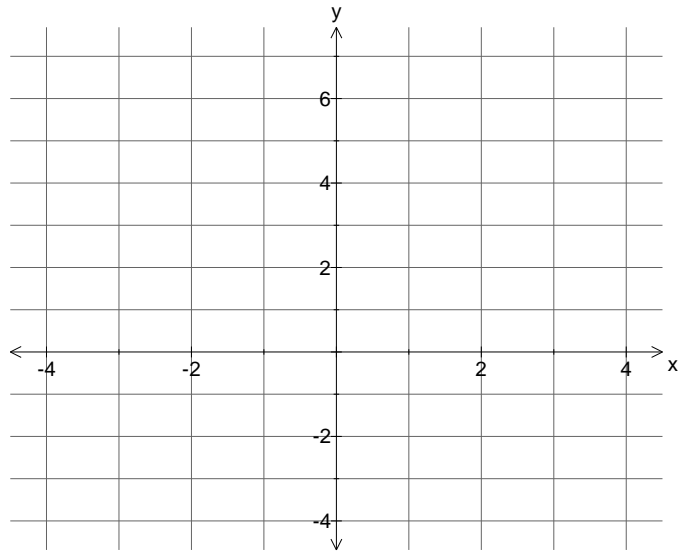 $y = -\dfrac{4}{5}x + 1$.

   d)

   e)

4. Graph each line on the grid provided.

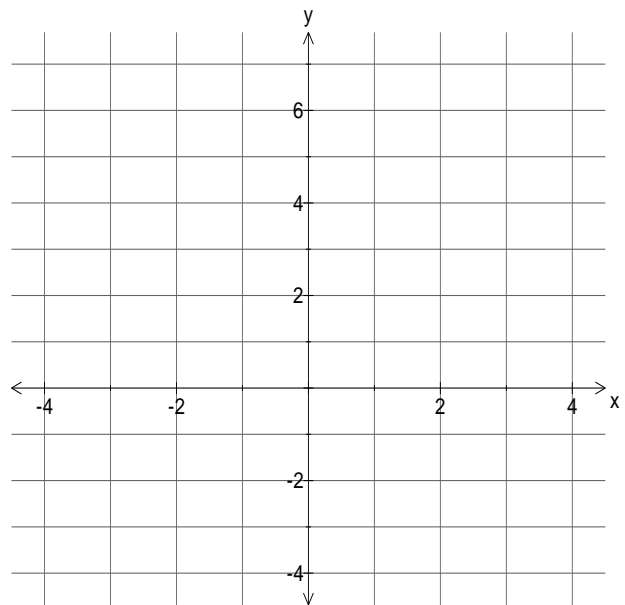a) $y = -\dfrac{1}{3}x + 4$

b) $y = \dfrac{3}{4}x - 2$

c) $y = 2$

d) $x = -1$

5a). Plot the points E(– 2, – 2) and F(4, 1). Sketch the line EF.

b) Determine the coordinates of point G, so that the line FG is perpendicular to EF.

6. Draw the quadrilateral ABCD on the grid and determine whether or not it is a rectangle. JUSTIFY your answer. A(5, 1) B(– 4, 4) C(– 6, – 2) D (3, – 5)