Slope and Equations of Lines

1. Identify the slope and y-intercept in each of the following equations.
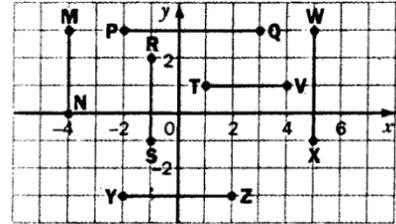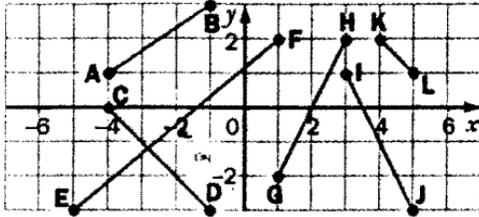
   a) $y = 4x + 3$ b) $y = 7 - 2x$ c) $2x + y = 9$ d) $3x - 2y - 4 = 0$

2. Using the graph to count, determine the slope of each line.

3. Determine the slope of the line joining each pair of points.

   a) A(0,0) and B(-2,-4)   b) C(-4,5) and D(6,4)   c) E(0,6) and F(4,0)

   d) G(-4,-2) and H(-5,-9)   e) J(4,-3) and K(-5,2)   f) L(5,-4) and M(5,9)

4. Determine the equation of each line shown.