1)   Write the equation of a line that passes through the points (0,3) and (1,1).

2)   Write the equation of a line that passes through the points (5,-2) and (5,3).

3)   Write an equation of a line that passes through the point (-2,6) and is perpendicular to the line whose equation is $4x - 2y = 8$.

4)   Write an equation of a line that passes through the point (1,-3) and is parallel to the line whose equation is $6x + 4y = 12$.

5) Find the midpoint of a line segment whose endpoints are (-a, 2b) and (3a, 4b).

6) If the midpoint of a line segment is (4, -3), and one endpoint is (-1, 5), find the other endpoint.

7) Find the midpoint of a line segment whose endpoints are (5, 3) and (4, 7).

8) If the midpoint of line segment is (3, -2) and one endpoint is (3, 4), find the other endpoint.