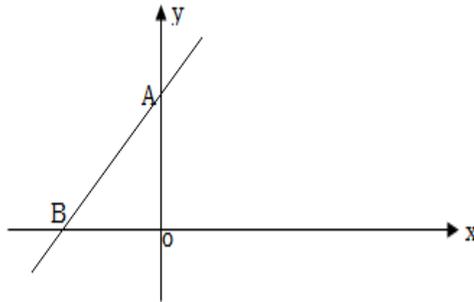


LINES

1. A straight line passes through the points A (3, p) and B (p, 1) and it is parallel to a line whose equation is $2y - x - 4 = 0$. Determine the value of p. (4marks)
2. Given two points P (4, 5) and Q (-2, 9), find the equation of a line through P and Q. (04 marks)
3. The figure below shows the graph of the line $y = 2x + 7$.



Find:

- (a) The coordinates of A and B.
- (b) The equation of the image of this line under reflection in the y -axis. (4marks)
4. Find the equation of a line perpendicular to the line $4x - 5y - 1 = 0$ and passing through the point (1, 2). (4 marks)
5. Find the equation of a line passing through the point (2, -3) and is parallel to the line whose equation is $3x - 2y - 6 = 0$. (04 marks)
6. Find the equation of a line passing through the point (-2, -1) and is perpendicular to the line whose equation is $3x - y - 6 = 0$. (04 marks)
7. Given the point M (4,-2) is the midpoint of AB and that B is (1,3). How far is point A from the Origin?
8. Find:
 - (a) Equation of line M passing through the points (1,0) and(0,3).
 - (b) Equation of line N which is perpendicular to line M above and passing through point(-2,4).
 - (c) The coordinates of the point of intersection of lines M and N above

- (d) The y-intercepts for the lines M and N hence the area enclosed between lines M and N and the y axis.
9. The line through the points $A(1, 3)$ and $B(-3, -5)$ is perpendicular to the line through $Q(1, -4)$. Determine the equation of the line through Q .
10. Find the equation of the line which passes through point $A(2, -x)$ and is perpendicular to the line $2y - 6x + 7 = 0$

END.