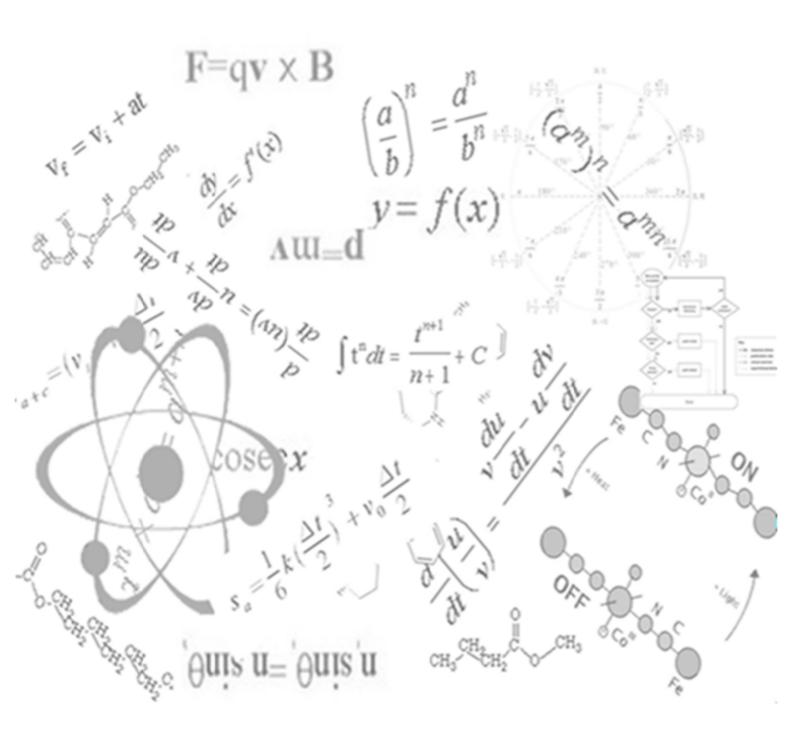
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Year 12- Mathematics Advanced Linear Functions and Lines



Linear Functions and Lines Exam /21

1. (1 marks)

Find the gradient in between the two points (-1,2) and (-3,-6)

2. (2 marks)

Find the equation of the line going through (4/5,-3) and (-2/9,4)

3. (2 marks)

Is the line 4x+3y+3=0 parallel to the line passing through the points (3,-5) and (2,5)?

4. (2 marks)

Show that the line 2y=x-4 is perpendicular to the line 2x+y+3=0

5. (3 marks)

Find the point of intersection, P, of 2x+y+3=0 and 2y=x-4.

6. (2 marks)

Find the distance from (3,-5) to (2,5).

7. (2 marks)

Find the perpendicular ditance from the point (-3,-6) to the line 2x+y+3=0.

8. (2 marks)

Find the midpoint of the two points (3,-2) and (4,-6)

9. (2 marks)

The midpoint of A(5,2) and B(x,y) is (4,3), Find the point B.

10. (3 marks)

Shade the region given by x+y+1>0 and x>-2