Q1. Find the equation of the line through (-3, 2) and parallel to the line

. **(3)**

Q2. Find the angle which the line joining the points (0, 0), ( , 1) make with the

positive direction of the x-axis. **(2)**

Q3. Find the equation of the median AD of triangle ABC where the coordinates of

A, B and C are (-2, 3), (-3, -4) and (5, 2) respectively. **(3)**

Q4. Find the equation of the perpendicular bisector of the line joining

A(2, -1) and B(8, 3). **(3)**

Q5. Prove that the points A(-2, 1), B(-1, 0) and C(7, -8) are collinear. **(3)**

Q6. A triangle ABC has vertices A( -4, -3), B(-2, 1) and C(6, -3)

**C**

**A**

**B**

**x**

**0**

**y**

1. Show that the triangle ABC is right angled at B. **(3)**
2. The medians AD and BE intersect at M.
   1. Find the equations of AD and BE. **(6)**
   2. Find the coordinates of M **(2)**

**Total 25 marks**

**Remember**

1. Use your notes
2. Look out for **keywords**
3. **CLEAR** working
4. Check ! does your answer make sense
5. Double check before handing in

Complete your corrections for each question below:

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