Equation of a line

Perpendicular Bisectors

- A is the point (-2,-6) and B is (4,-4). Find the equation of the perpendicular bisector of the line AB. A(-2,-6)

 A triangle DEF has vertices D(-1,-1), E(3,8) and F(11,3). Find the equation of the perpendicular bisector of the line DF.

 PQ is a line where P is (4,6) and Q is (10,-6). Find the equation of the perpendicular bisector of the line PQ.
- 4. A triangle XYZ has vertices (-8,-2), (0,-8) and (4,6) as shown opposite. X(-8 Find the equation of the perpendicular bisector of XZ.



- 5. A triangle has vertices K(-2,-3), L(5,-7) and M(6,1).
 - (a) Find the equation of the perpendicular bisector of the line KM.
 - (b) Show that the point L lies on this line.
 - (c) What kind of triangle is triangle KLM?

