Perpendicular Lines Exam Practice



Q1. A line has the equation 2x + 3y = 15. Find the equation of the line which is perpendicular to this line, and passes through the point (-18,10)

Answer:

(3 marks)

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Q2. A line segment AB has end-points (3, -8) and (15, 20). Find the equation of the line which is the perpendicular bisector of AB.

Answer:

(4 marks)

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Q3. Line L has the equation 8x = 15 - 6y whilst line M has the the equation 3x + 4y = 13.

Decide whether the lines L and M are perpendicular or not, explaining all your reasoning carefully.

Answer:

(3 marks)



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(5 marks)

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