

C1 review 1

1. Find the equation of the line which is parallel to the line $2y = x + 5$ and passes through $(2, 4)$

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2. The straight line which passes through the points $(6, 1)$ and $(2, 3)$ crosses the y and x axes at A and B respectively. Find the area of triangle AOB .

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3. Find the distance between the points $(-3, -4)$ and $(-9, 4)$

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4. M is the midpoint of the line AB. The coordinates of A and M are $(5, 7)$ and $(0, 2)$ respectively. Find the coordinates of B.

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5. Find the equation of the line which is the perpendicular bisector of $A(p, q)$ and $B(q, p)$

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6. The line AB has coordinates $A(4, 6)$ and $B(-4, 1)$
Find the equation of the perpendicular bisector of AB
in the form $ax + by = c$

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Answers

1. $2y = x + 6$
2. 16 units^2
3. 10
4. $(-5, -3)$
5. $y = x$
6. $16x + 10y = 35$