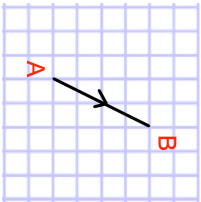
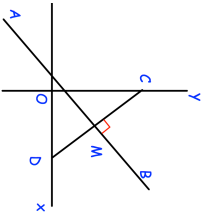
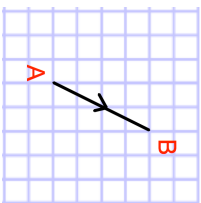
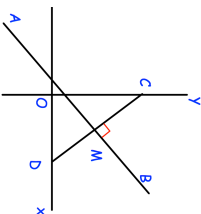


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| <p>6th November</p>  | <p style="text-align: right;">Corbettmaths</p> <p>$\vec{AB} = \begin{pmatrix} 2 \\ 4 \end{pmatrix}$</p> <p>Write down a vector that is perpendicular to AB and the same length</p> |
| <p>Shown are the straight lines AB and CD. M is the midpoint of CD AB is perpendicular to CD and passes through the point M C is the point (0, 12) and D is the point (6, 0)</p>  | <p>Find the equation of AB</p> <p>B is the point (11, 10) AM:MB = 5:2</p> <p>Find the coordinates of the point A</p> |
| <p>A bag contains 15 sweets. 9 sweets are red. 4 sweets are yellow. 2 sweets are green. Two sweets are taken from the bag without replacement.</p> | <p>Work out the probability that the two sweets are same colour.</p> |
| <p>Solve the simultaneous equations</p> $x - 7 = 2y$ $x^2 + 4y^2 = 37$ | |

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