****Worksheet G: Same points, different answer

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| 1  Work out the coordinates of the  midpoint of AB.  *y*    *B*  *A*  *x* | 2  Find the length of the line AB.  *y*    *B*  *A*  *x* |
| 3  Work out the gradient of the  line of AB.  *y*    *B*  *x*  *A* | 4  Work out the equation of the line passing through A and B.  *y*    *A*  *x*  *B* |
| 5  Work out the equation of the perpendicular bisector of AB.  *y*    *B*  *A*  *x* | 6  A and B are two vertices of an isosceles triangle. Write down four possibilities of a third vertex.  *y*    *B*  *A*  *x* |