****Worksheet F: Problem-solving anagram

The coordinates of A, B and C are (1,3), (-3,2) and (-2,-2)

Which of these statements are correct?

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| --- | --- | --- |
| **V**  Perpendicular bisector of B and C has a gradient of | **A**  AB is perpendicular  to BC | **R**  The midpoint of A and B is (-1, 2.5) |
| **C**  The length of AB is | **S**  The gradient of BC is -4 | **B**  The midpoint of A and C is () |
| **T**  A and C are points on the line 3y = 5x + 4 | **E**  The gradient of AC is | **D**  Equation of the line through B and C is *y*+4*x*+10=0 |
| **H**  AC is perpendicular  to AB | **E**  Perpendicular bisector of A and C is 5*y*+3*x*-1=0 | **S**  The area of triangle ABC is 8.5cm2 |

The letters from the True statements can be rearranged into which famous mathematicians name?

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