****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 $-\frac{1}{4}$ | **A**AB is perpendicularto BC | **R**The midpoint of A and B is (-1, 2.5) |
| **C**The length of AB is $\sqrt{17}$ | **S**The gradient of BC is -4 | **B**The midpoint of A and C is ($\frac{1}{2 },\frac{1}{2}$) |
| **T**A and C are points on the line 3y = 5x + 4 | **E**The gradient of AC is $\frac{5}{3}$ | **D**Equation of the line through B and C is *y*+4*x*+10=0 |
| **H**AC is perpendicularto 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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