

Higher Maths
SQA 2019 Paper 1
Question 5



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- (a) Show that the points $A(1,5,-3)$, $B(4,-1,0)$ and $C(8,-9,4)$ are collinear. **3**
- (b) State the ratio in which B divides AC. **1**
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Answers:

- (a) Show that, for example, $\overrightarrow{AB} = k\overrightarrow{BC}$ and state common point. See marking instructions.
- (b) 3:4