Higher Maths
**Maths.scot**

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(a) Show that the points A $(-3, 2, -1)$, B $(6, -1, 5)$ and C $(12, -3, 9)$ 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) $3 : 2$