

Advanced Higher Maths
SQA 2025 Paper 1
Question 3



Two complex numbers are defined as $z = 11 + 10i$ and $w = 3 - 2i$.

Find $\frac{z}{w}$ in the form $a + bi$, where $a, b \in \mathbb{R}$.

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Answer:

$$1 + 4i$$