# Complex conjugates

Example:

Write $\frac{5+4i}{2-3i}$ in the form $a + bi$

## Test Your Understanding

Given that $z_1 = 3 + 2i$ and $z_2 = \dfrac{12 - 5i}{z_1}$,

(a) find $z_2$ in the form $a + ib$, where $a$ and $b$ are real. **(2)**