

11B i and j

1. When vectors are written in terms of the unit vectors **i** and **j** you can add them together by adding the terms in **i** and **j** separately. Subtraction works in a similar way.

Given that:

$$\mathbf{a} = 5\mathbf{i} + 2\mathbf{j}$$

$$\mathbf{b} = 3\mathbf{i} - 4\mathbf{j}$$

Find $2\mathbf{a} - \mathbf{b}$ in terms of **i** and **j**