

Section 1: Algebra

Chapter 2

Exercise E

$$\begin{aligned} \text{(vii)} \quad (3\sqrt{3} - 2)(2\sqrt{3} - 3) &= 3\sqrt{3}(2\sqrt{3} - 3) - 2(2\sqrt{3} - 3) \\ &= 6(\sqrt{3})^2 - 9\sqrt{3} - 4\sqrt{3} + 6 \\ &= 6(3) - 13\sqrt{3} + 6 \\ &= \underline{\underline{24 - 13\sqrt{3}}} \end{aligned}$$