

## Answers

- Q1** a)  $2\sqrt{3}$                       b)  $3\sqrt{2}$                       c)  $5\sqrt{2}$   
d)  $2\sqrt{15}$                       e)  $4\sqrt{3}$                       f)  $6\sqrt{3}$   
g)  $4\sqrt{2}$                       h)  $6\sqrt{2}$                       i)  $4\sqrt{6}$
- Q2** a)  $6\sqrt{5}$                       b)  $6\sqrt{3}$                       c)  $8\sqrt{2}$   
d)  $-6\sqrt{6}$                       e)  $2\sqrt{5}$                       f)  $-3\sqrt{10}$
- Q3** a)  $4\sqrt{6}$                       b)  $8\sqrt{3}$                       c)  $-8\sqrt{5}$   
d)  $10\sqrt{2}$                       e)  $17\sqrt{3}$                       f)  $2\sqrt{11}$
- Q4** a) 13                      b)  $4\sqrt{2}$                       c)  $4\sqrt{6}$   
d)  $8\sqrt{15}$                       e)  $18\sqrt{2}$                       f)  $12\sqrt{15}$
- Q5** a)  $\frac{2\sqrt{3}}{3}$                       b)  $\frac{3\sqrt{2}}{5}$                       c)  $\frac{5\sqrt{6}}{18}$   
d)  $\frac{\sqrt{19}}{19}$                       e)  $2\sqrt{2}$                       f)  $\frac{\sqrt{2}}{2}$
- Q6** a)  $\frac{\sqrt{2}}{2}$                       b)  $\frac{\sqrt{15}}{15}$                       c)  $\frac{2\sqrt{6}}{9}$   
d)  $\frac{4\sqrt{14}}{7}$                       e)  $\frac{\sqrt{5}}{40}$                       f)  $\frac{3\sqrt{5}}{10}$