

Solutions to Practice Questions:

1. $\mathbf{a} - \mathbf{b} - \mathbf{c}$

2. $\sqrt{42}$

3. $\frac{3}{\sqrt{5}\sqrt{3}}$

4. $-2\mathbf{i} + \mathbf{j} + \mathbf{k}$

5. $-2\mathbf{i} - 3\mathbf{j} - \mathbf{k}$

6. 52

7. $\frac{5}{2}\mathbf{i} + \frac{5}{2}\mathbf{j}$

8. $\frac{2}{3}(2\mathbf{i} + \mathbf{j} + 2\mathbf{k})$