Answers to selected exercises from Colley, Section 1.1

9. $(x, y, z) = (14, 16, 8)$.

14.(a)   The displacement is $(1, 1, 5)$.

14.(b)   The displacement is $(-1, -2, 3)$.

16. B has coordinates $(x, y, z) = (14, 2, 1)$.

22.   If $\mathbf{c}$ is the displacement from O to P_0, then the vectors will all be of the form $\mathbf{v} + s\mathbf{a} + t\mathbf{b}$, where $0 \le s, t \le 1$.

26.   Students are not responsible for knowing how to work this exercise.