

Section 10.1 Focus Exercise Answers

1. a) $3\sqrt{5}$ b) $5\sqrt{2}$ c) $3\sqrt{7}$ d) $4\sqrt{3}$
e) $7\sqrt{10}$ f) $10\sqrt{3}$ g) $4\sqrt{2}$ h) $6\sqrt{3}$
2. a) $\sqrt[2]{15}$ b) $\sqrt[3]{28}$ c) $\sqrt{55}$ d) Cannot be combined
3. a) $3\sqrt{2}$ b) $3\sqrt{10}$
4. a) $\sqrt{75}$ b) $\sqrt{80}$
5. a) 3 b) $2\sqrt{3}$ c) $\frac{1}{6}$ d) $\frac{3\sqrt{2}}{5}$
6. a) $\frac{\sqrt{30}}{6}$ b) $\frac{4\sqrt{7}}{7}$ c) $\frac{\sqrt{6}}{4}$ d) $2\sqrt{2}$