

Simplifying Square Roots – Homework Key

Simplify each square root. Assume that all variables represent positive real numbers

1. $2\sqrt{10}$	2. $2\sqrt{6}$
3. $3\sqrt{2}$	4. $4x^{10}\sqrt{3}$
5. $-9x^8\sqrt{x}$	6. $6a^4b\sqrt{b}$
7. $\frac{\sqrt{3}}{5}$	8. $\frac{\sqrt{15}}{7}$
9. $\frac{5+2\sqrt{3}}{7}$	10. $\frac{12+\sqrt{10}}{2}$
11. $\frac{2x\sqrt{7x}}{y^5z^2}$	12. $x^3\sqrt{3x}$