

p. 362 #1 – 12, 30 – 40 ANSWER KEY

1. 3
2. 3
3. 5, -5
4. 0
5.  $2x$
6.  $\frac{2\sqrt[4]{2}}{x}$
7.  $\frac{5x^2\sqrt[3]{36}}{6}$
8.  $5x\sqrt{2x}$
9. OMIT
10.  $\frac{x\sqrt[3]{2x^2}}{2}$
11.  $-2x\sqrt{10}$
12.  $\frac{x^3y\sqrt[4]{27}}{3}$
30. -4
31. 2
32. No real roots
33.  $3x$
34.  $3x^2\sqrt[4]{x}$
35.  $\frac{x^2\sqrt[3]{4}}{10}$
36.  $\frac{x^2\sqrt{5x}}{15}$
37.  $2x^3\sqrt[3]{7}$
38.  $x\sqrt{x}$
39.  $x^2\sqrt[5]{x^3}$
40.  $-3x^3y\sqrt[3]{2}$