

## Answer Key

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### Lesson 6.2

#### Practice Level C

1.  $16p^{5^{9/4}}$  2.  $3^{3/2}$  3.  $7^{6/5}$  4.  $5^{1/2}$  5. 4

6.  $\sqrt[24]{6}$  7.  $\frac{\sqrt{6}}{3}$  8.  $9\sqrt[5]{81}$  9.  $\frac{\sqrt{70}}{35}$  10.  $x^{3\sqrt{3}}$

11.  $\frac{x^4\sqrt[4]{x}}{y^2}$  12.  $x^{1/4}$  13.  $x^{1/3}y^{1/6}$  14.  $\frac{8x^4y^{1/5}}{z^3}$

15.  $\frac{\sqrt{3}z^{1/4}}{x^{1/2}y^{1/3}}$  16.  $\frac{y^{9/2}}{8x^{3/2}z^{3/2}}$  17.  $9x^4\sqrt[4]{x^3}$

18.  $x^{23/120}$  19.  $2\sqrt[4]{3}$  20.  $3x^2z\sqrt[3]{xyz^2}$  21.  $\sqrt[8]{x}$

22.  $\frac{\sqrt[3]{50x + 25\sqrt{x}}}{5}$  23.  $2\sqrt[3]{x}$  24.  $4x^2z\sqrt{xyz}$

25.  $4.29 \times 10^8$  in. 26. 4.3 in.