

Alg 2
Ch 7

Pr 7.1, 7.2

1. $9x^2$

2. $11y^5$

3. $2g^3\sqrt{2}$

4. $5x^4\sqrt{5x}$

5. $9x^2y^7\sqrt{3xy}$

6. $\frac{8x^3\sqrt{7x}}{49}$

7. $6x\sqrt{x}$

8. $5yz^2\sqrt{5}$

9. $3k^3\sqrt{2}$

10. $4a^6$

11. $xy^5\sqrt{3}$

12. $16s^3t^6\sqrt{s}$

13. $6x^2y\sqrt{6y}$

14. $5r\sqrt{3r}$

15. $25u^2v^4\sqrt{u}$

Pr 7.4

1. 81

2. 32

3. 256

4. 2

5. 1

6. $\frac{1}{2}$

7. 3

8. $\sqrt[6]{x^5}$

9. $2y\sqrt{y}$

10. $\sqrt[40]{y^{31}}$

11. $12x\sqrt[6]{x}$

12. $12\sqrt[20]{x^{13}}$

13. $\frac{x^{4/3}}{t^{-2/7}} = x^{4/3}t^{2/7} = x^{28/21}t^{6/21}$
 $= \sqrt[21]{x^{28}t^6} = x\sqrt[21]{x^7t^6}$

14. $\frac{b^{4/5}}{z^{-2/3}} = b^{4/5}z^{2/3} = b^{8/15}z^{10/15} = \sqrt[15]{b^8z^{10}}$

15. $x^{3/2}$

16. $m^{1/3}$

17. $n^{4/5}$