

1.  $10^{1/2}$

2.  $x^3 y^{5/2}$

3.  $\frac{b}{a^4}$

4.  $v^5 w^3$

5. 81

6.  $-\frac{1}{8}$

7.  $36\sqrt{3}$

8.  $27^{1/4} = \sqrt[4]{27}$

9.  $2\sqrt{3}$

10.  $6\sqrt{14}$

11.  $\frac{b\sqrt[3]{b^2c^2}}{c^2}$

12.  $m^{3/8} = \sqrt[8]{m^3}$

13.  $x = 81$

14.  $x = 12$

15.  $x = 5$