

WS 6.6-6.7 Answers

1. $\sqrt[6]{3}$
2. $\sqrt{8}$
3. $51^{\frac{1}{2}}$
4. $15^{\frac{3}{4}}$
5. $\sqrt[3]{12^2}$
6. $37^{\frac{1}{3}}$
7. $\sqrt[5]{c^9}$
8. $\left((-3c)^4\right)^{\frac{1}{2}}$
9. 2
10. 3
11. 2
12. 64
13. 27^2 or 729
14. $\frac{8}{27}$
15. m^2
16. $p^{\frac{7}{10}}$
17. $x^{\frac{5}{12}}$
18. $\frac{n^{\frac{2}{3}}}{n}$
19. $\frac{2n+2\sqrt{n}}{n-1}$
20. $\sqrt{2}$
21. $12 \cdot 12^{\frac{1}{10}}$
22. $\frac{a\sqrt{3b}}{3b}$
23. $x = 1$
24. $n = \frac{1}{12}$
25. non real
26. $w = 8$
27. no soln
28. $t = -\frac{3}{4}$
29. $m = \frac{63}{4}$
30. $x = 2$
31. no solution
32. $-5 < x < 76$
33. $\frac{3}{2} < a < 14$