

Answer Key

Practice C

1. $7\sqrt{6}$ 2. $6\sqrt{7}$ 3. 270 4. $6\sqrt{14}$
5. $\frac{4\sqrt{5}}{9}$ 6. $7\sqrt{105}$ 7. $\frac{1}{3}$ 8. $\frac{4\sqrt{3}}{27}$ 9. $\frac{4\sqrt{3}}{3}$
10. -17, 17 11. $-\sqrt{13}, \sqrt{13}$ 12. -5, 5
13. $-\sqrt{5}, \sqrt{5}$ 14. $-2\sqrt{3}, 2\sqrt{3}$
15. $-\sqrt{10}, \sqrt{10}$ 16. $-\sqrt{5}, \sqrt{5}$
17. $-\sqrt{11}, \sqrt{11}$ 18. -1, 3
19. $-4 - \sqrt{3}, -4 + \sqrt{3}$
20. $-1 - \frac{\sqrt{5}}{10}, -1 + \frac{\sqrt{5}}{10}$
21. $-3 - 2\sqrt{3}, -3 + 2\sqrt{3}$ 22. 0, 4
23. $-5 + \frac{\sqrt{6}}{12}, -5 - \frac{\sqrt{6}}{12}$
24. $\frac{2}{3} - \sqrt{3}, \frac{2}{3} + \sqrt{3}$
25. $-3 - \sqrt{26}, -3 + \sqrt{26}$
26. $1 - \sqrt{2}, 1 + \sqrt{2}$ 27. $2 - \frac{\sqrt{7}}{2}, 2 + \frac{\sqrt{7}}{2}$
28. $a > 0$ 29. $a > 2$ 30. $a > -1$
31. $a < 2$ 32. $a > 4$ 33. $a < 5$ 34. 6%