

Name: _____

Class: _____

Date: _____

Simplify the square roots.

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|--------------------|-----------|--------------------|-----------|
| 1. $\sqrt{288}$ | 1. _____ | 26. $-4\sqrt{360}$ | 26. _____ |
| 2. $\sqrt{680}$ | 2. _____ | 27. $\sqrt{132}$ | 27. _____ |
| 3. $4\sqrt{64}$ | 3. _____ | 28. $\sqrt{686}$ | 28. _____ |
| 4. $\sqrt{719}$ | 4. _____ | 29. $-3\sqrt{152}$ | 29. _____ |
| 5. $\sqrt{576}$ | 5. _____ | 30. $\sqrt{348}$ | 30. _____ |
| 6. $\sqrt{140}$ | 6. _____ | 31. $\sqrt{250}$ | 31. _____ |
| 7. $\sqrt{910}$ | 7. _____ | 32. $\sqrt{968}$ | 32. _____ |
| 8. $2\sqrt{936}$ | 8. _____ | 33. $5\sqrt{952}$ | 33. _____ |
| 9. $\sqrt{267}$ | 9. _____ | 34. $\sqrt{270}$ | 34. _____ |
| 10. $\sqrt{1}$ | 10. _____ | 35. $\sqrt{225}$ | 35. _____ |
| 11. $\sqrt{48}$ | 11. _____ | 36. $5\sqrt{126}$ | 36. _____ |
| 12. $\sqrt{456}$ | 12. _____ | 37. $\sqrt{324}$ | 37. _____ |
| 13. $-3\sqrt{528}$ | 13. _____ | 38. $\sqrt{32}$ | 38. _____ |
| 14. $\sqrt{364}$ | 14. _____ | 39. $2\sqrt{220}$ | 39. _____ |
| 15. $\sqrt{328}$ | 15. _____ | 40. $\sqrt{324}$ | 40. _____ |
| 16. $-4\sqrt{476}$ | 16. _____ | 41. $\sqrt{132}$ | 41. _____ |
| 17. $\sqrt{224}$ | 17. _____ | 42. $\sqrt{852}$ | 42. _____ |
| 18. $\sqrt{72}$ | 18. _____ | 43. $2\sqrt{966}$ | 43. _____ |
| 19. $-2\sqrt{348}$ | 19. _____ | 44. $\sqrt{252}$ | 44. _____ |
| 20. $\sqrt{348}$ | 20. _____ | 45. $\sqrt{81}$ | 45. _____ |
| 21. $-5\sqrt{16}$ | 21. _____ | 46. $-4\sqrt{686}$ | 46. _____ |
| 22. $\sqrt{270}$ | 22. _____ | 47. $\sqrt{336}$ | 47. _____ |
| 23. $\sqrt{204}$ | 23. _____ | 48. $\sqrt{390}$ | 48. _____ |
| 24. $5\sqrt{990}$ | 24. _____ | 49. $-2\sqrt{846}$ | 49. _____ |
| 25. $\sqrt{256}$ | 25. _____ | 50. $\sqrt{189}$ | 50. _____ |

Question 1: $12\sqrt{2}$
Question 2: $2\sqrt{170}$
Question 3: 32
Question 4: $\sqrt{719}$
Question 5: 24
Question 6: $2\sqrt{35}$
Question 7: $\sqrt{910}$
Question 8: $12\sqrt{26}$
Question 9: $\sqrt{267}$
Question 10: 1
Question 11: $4\sqrt{3}$
Question 12: $2\sqrt{114}$
Question 13: $-12\sqrt{33}$
Question 14: $2\sqrt{91}$
Question 15: $2\sqrt{82}$
Question 16: $-8\sqrt{119}$
Question 17: $4\sqrt{14}$
Question 18: $6\sqrt{2}$
Question 19: $-4\sqrt{87}$
Question 20: $2\sqrt{87}$
Question 21: -20
Question 22: $3\sqrt{30}$
Question 23: $2\sqrt{51}$
Question 24: $15\sqrt{110}$
Question 25: 16
Question 26: $-24\sqrt{10}$

Question 27: $2\sqrt{33}$
Question 28: $7\sqrt{14}$
Question 29: $-6\sqrt{38}$
Question 30: $2\sqrt{87}$
Question 31: $5\sqrt{10}$
Question 32: $22\sqrt{2}$
Question 33: $10\sqrt{238}$
Question 34: $3\sqrt{30}$
Question 35: 15
Question 36: $15\sqrt{14}$
Question 37: 18
Question 38: $4\sqrt{2}$
Question 39: $4\sqrt{55}$
Question 40: 18
Question 41: $2\sqrt{33}$
Question 42: $2\sqrt{213}$
Question 43: $2\sqrt{966}$
Question 44: $6\sqrt{7}$
Question 45: 9
Question 46: $-28\sqrt{14}$
Question 47: $4\sqrt{21}$
Question 48: $\sqrt{390}$
Question 49: $-6\sqrt{94}$
Question 50: $3\sqrt{21}$