

Name: _____

Class: _____

Date: _____

Simplify the square roots.

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|--------------------|-----------|--------------------|-----------|
| 1. $\sqrt{228}$ | 1. _____ | 26. $-4\sqrt{728}$ | 26. _____ |
| 2. $\sqrt{624}$ | 2. _____ | 27. $\sqrt{234}$ | 27. _____ |
| 3. $-3\sqrt{580}$ | 3. _____ | 28. $\sqrt{992}$ | 28. _____ |
| 4. $\sqrt{57}$ | 4. _____ | 29. $5\sqrt{450}$ | 29. _____ |
| 5. $\sqrt{49}$ | 5. _____ | 30. $\sqrt{200}$ | 30. _____ |
| 6. $\sqrt{200}$ | 6. _____ | 31. $\sqrt{256}$ | 31. _____ |
| 7. $\sqrt{324}$ | 7. _____ | 32. $\sqrt{912}$ | 32. _____ |
| 8. $-2\sqrt{748}$ | 8. _____ | 33. $5\sqrt{720}$ | 33. _____ |
| 9. $\sqrt{815}$ | 9. _____ | 34. $\sqrt{152}$ | 34. _____ |
| 10. $\sqrt{4}$ | 10. _____ | 35. $\sqrt{800}$ | 35. _____ |
| 11. $\sqrt{168}$ | 11. _____ | 36. $2\sqrt{304}$ | 36. _____ |
| 12. $\sqrt{108}$ | 12. _____ | 37. $\sqrt{272}$ | 37. _____ |
| 13. $-3\sqrt{112}$ | 13. _____ | 38. $\sqrt{870}$ | 38. _____ |
| 14. $\sqrt{64}$ | 14. _____ | 39. $2\sqrt{300}$ | 39. _____ |
| 15. $\sqrt{552}$ | 15. _____ | 40. $\sqrt{350}$ | 40. _____ |
| 16. $-5\sqrt{280}$ | 16. _____ | 41. $\sqrt{352}$ | 41. _____ |
| 17. $\sqrt{328}$ | 17. _____ | 42. $\sqrt{952}$ | 42. _____ |
| 18. $\sqrt{756}$ | 18. _____ | 43. $-2\sqrt{858}$ | 43. _____ |
| 19. $3\sqrt{328}$ | 19. _____ | 44. $\sqrt{308}$ | 44. _____ |
| 20. $\sqrt{390}$ | 20. _____ | 45. $\sqrt{856}$ | 45. _____ |
| 21. $5\sqrt{198}$ | 21. _____ | 46. $-5\sqrt{328}$ | 46. _____ |
| 22. $\sqrt{126}$ | 22. _____ | 47. $\sqrt{156}$ | 47. _____ |
| 23. $\sqrt{972}$ | 23. _____ | 48. $\sqrt{100}$ | 48. _____ |
| 24. $5\sqrt{850}$ | 24. _____ | 49. $-5\sqrt{444}$ | 49. _____ |
| 25. $\sqrt{243}$ | 25. _____ | 50. $\sqrt{40}$ | 50. _____ |

Question 1: $2\sqrt{57}$
Question 2: $4\sqrt{39}$
Question 3: $-6\sqrt{145}$
Question 4: $\sqrt{57}$
Question 5: 7
Question 6: $10\sqrt{2}$
Question 7: 18
Question 8: $-4\sqrt{187}$
Question 9: $\sqrt{815}$
Question 10: 2
Question 11: $2\sqrt{42}$
Question 12: $6\sqrt{3}$
Question 13: $-12\sqrt{7}$
Question 14: 8
Question 15: $2\sqrt{138}$
Question 16: $-10\sqrt{70}$
Question 17: $2\sqrt{82}$
Question 18: $6\sqrt{21}$
Question 19: $6\sqrt{82}$
Question 20: $\sqrt{390}$
Question 21: $15\sqrt{22}$
Question 22: $3\sqrt{14}$
Question 23: $18\sqrt{3}$
Question 24: $25\sqrt{34}$
Question 25: $9\sqrt{3}$
Question 26: $-8\sqrt{182}$

Question 27: $3\sqrt{26}$
Question 28: $4\sqrt{62}$
Question 29: $75\sqrt{2}$
Question 30: $10\sqrt{2}$
Question 31: 16
Question 32: $4\sqrt{57}$
Question 33: $60\sqrt{5}$
Question 34: $2\sqrt{38}$
Question 35: $20\sqrt{2}$
Question 36: $8\sqrt{19}$
Question 37: $4\sqrt{17}$
Question 38: $\sqrt{870}$
Question 39: $20\sqrt{3}$
Question 40: $5\sqrt{14}$
Question 41: $4\sqrt{22}$
Question 42: $2\sqrt{238}$
Question 43: $-2\sqrt{858}$
Question 44: $2\sqrt{77}$
Question 45: $2\sqrt{214}$
Question 46: $-10\sqrt{82}$
Question 47: $2\sqrt{39}$
Question 48: 10
Question 49: $-10\sqrt{111}$
Question 50: $2\sqrt{10}$