Name:_____ **Date:**_____

Multiplying Radicals
Practice 2

Multiply and Simplify.

1. $\sqrt{3} \bullet \sqrt{6}$

2. $\sqrt{2} \bullet \sqrt{5}$

3. $\sqrt{5} \bullet \sqrt{10}$

4. $4\sqrt{10} \bullet 3\sqrt{6}$

5. $3\sqrt{10} \bullet 4\sqrt{10}$

6. $\sqrt{5} \bullet \sqrt{6}$

7. $7\sqrt{30} \bullet 2\sqrt{6}$

8. $2\sqrt{3} \bullet 5\sqrt{27}$

9. $\sqrt{10} \bullet \sqrt{20}$

10. $5\sqrt{6} \bullet 2\sqrt{3}$

11. $6\sqrt{2} \bullet \sqrt{3}$

12. $\sqrt{7} \bullet \sqrt{3}$

13. $\sqrt{3} \cdot \sqrt{6}$

14. $\sqrt{2} \cdot \sqrt{5}$

15. $\sqrt{5} \cdot \sqrt{10}$

16. $4\sqrt{10} \cdot 3\sqrt{6}$

17. $\sqrt{3x} \cdot 3\sqrt{3x}$

18. $4\sqrt{3} \cdot \sqrt{18}$

19. $5\sqrt{6} \cdot \sqrt{3}$

20. $4\sqrt{5} \cdot \sqrt{10}$

21. $3\sqrt{2} \cdot 4\sqrt{7}$

22. $(5\sqrt{3})^2$

23. $2(\sqrt{3} + 4\sqrt{5})$

24. $\sqrt{6}(\sqrt{3} - 2\sqrt{6})$

25. $\sqrt{5}(\sqrt{5} - \sqrt{2})$

26. $\sqrt{2}(3\sqrt{7} + 2\sqrt{5})$

27. $3\sqrt{2}(\sqrt{8} + \sqrt{24})$

28. $\sqrt{8}(\sqrt{2} + 5\sqrt{8})$

29. $\sqrt{2}(\sqrt{8} + \sqrt{6})$

30. $\sqrt{5}(\sqrt{10} - \sqrt{3})$

31. $\sqrt{6}(3\sqrt{2} - 2\sqrt{3})$

32. $3\sqrt{3}(2\sqrt{6} + 4\sqrt{10})$

33. $\sqrt{6}(\sqrt{10} + \sqrt{15})$

34. $\sqrt{5}(5\sqrt{2} - 4\sqrt{8})$

35. $2\sqrt{7}(3\sqrt{12} + 5\sqrt{8})$