

Name: \_\_\_\_\_

Date: \_\_\_\_\_



## Multiplying Radicals Practice 2

Multiply and Simplify.

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

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

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

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

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

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

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

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

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

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

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

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

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