Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_\_\_

# WS 10-2

# Simplifying Radicals

1. What is a radical symbol?

**For the following, find and .**

1. a = 9, b = 16 3. a = 25, b = 9
2. a = 4, b = 81 5. a = 36, b = 16

**For the following, find and .**

6. a = 49, b = 9 7. a = 16, b = 64

8. a = 100, b = 4 9. a = 36, b = 1

**Simplify the following expressions.**

10. 11.

12. 13.

14. 15.

16. 17.