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

# WS 10-1

# Factoring Quadratics

1. What is a radical symbol?
2. How many square roots do negative numbers have?
3. Zero has only \_\_\_\_\_ square root: \_\_\_\_\_\_.

**Evaluate the expression.**

1. $\sqrt{9}$ 4. $\sqrt{25}$

5. $-\sqrt{16}$ 6. $\sqrt{1.7}$

7. $\sqrt{1}$ 8. $-\sqrt{49}$

9. $\sqrt{9.53}$ 10. $-\sqrt{2.06}$

11. $-\sqrt{4.25}$ 12. $\sqrt{5}$

**Solve.**

13. $x^{2}-9=0$ 14. $t^{2}-25=0$

15. $2c^{2}-18=0$ 16. $3q^{2}+18=0$

17. $-2x^{2}+ 32=0$ 18. $5m^{2}-30=0$