

Algebra II Class work 5-5
Topic: Roots of Real Numbers

Name: _____
Date: _____ PD _____

Simplify

1. $-\sqrt{169}$

2. $\sqrt{63}$

3. $\sqrt[4]{80x^8}$

4. $\sqrt{.16}$

5. $\sqrt[3]{-189}$

6. $\sqrt[4]{(x-3)^9}$

7. $\sqrt{\left(\frac{2}{3}\right)^2}$

8. $-\sqrt[5]{-1}$

9. $\sqrt{a^5}$

10. $\sqrt[6]{x^{14}}$

11. $\sqrt[3]{16a^4b^{17}c^3}$

12. $\sqrt{(-3w)^4}$

13. $\pm\sqrt{(x+3)^2}$

14. $\sqrt[7]{(2x-3)^7}$

15. $\sqrt{4x^2 - 20x + 25}$

16. $\sqrt{75x^{35}y^4z^{101}}$

17. $\sqrt{-x^2}$

18. $\sqrt{(-x)^2}$