

Topic 5.5
Roots of Real Numbers
Homework

Name: _____

Date: _____

Simplify.

1. $\sqrt{49}$

2. $\pm\sqrt{169}$

3. $\sqrt[3]{125}$

4. $\sqrt[5]{32}$

5. $\sqrt{9x^2}$

6. $\sqrt{(-23)^2}$

7. $\sqrt{(3x)^4}$

8. $\sqrt{x^8 y^4 z^{12}}$

9. $\sqrt[3]{-64}$

10. $\sqrt{64x^{10}y^2}$

11. $\sqrt[3]{8x^9y^{21}}$

12. $\pm\sqrt[4]{81w^{24}z^{20}}$