

NAME _____

DATE _____

Module 1 Getting Ready for Algebra
Lesson 4 Simplifying Expressions with Exponents and Roots

guided practice

Set 1
Simplify.

1. $2^3 =$

2. $4^4 =$

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

4. $1^4 =$

Set 2

1. Determine the sign of $(-3)^3$, then simplify.

2. Determine the sign of $\left(-\frac{1}{2}\right)^4$, then simplify.

3. Determine the sign of $(-5)^4$, then simplify.

4. Determine the sign of $(-3)^5$, then simplify.

Set 3
Simplify.

1. $\sqrt{81} =$

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

3. $\sqrt[3]{-\frac{1}{8}} =$

4. $\sqrt{169} =$



