

NAME _____

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



**additional
practice**

Simplify.

1. 1^3

1

2. 2^6

64

3. $\left(\frac{2}{5}\right)^2$

 $\frac{4}{25}$

4. 9^0

1

5. 7^3

343

6. $\left(\frac{3}{4}\right)^4$

 $\frac{81}{256}$

7. 11^1

11

8. 5^4

625

9. $(-5)^3$

-125

10. $\left(-\frac{1}{3}\right)^4$

 $\frac{1}{81}$

11. $(-3)^2$

9

12. $(-2)^3$

-8

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

 $\frac{9}{49}$

14. $(-1)^9$

-1

15. $\sqrt{400}$

20

16. $\sqrt{16}$

4

17. $\sqrt[3]{216}$

6

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

 $-\frac{1}{2}$

19. $\sqrt[3]{\frac{8}{27}}$

 $\frac{2}{3}$

20. $\sqrt{196}$

14

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