CHAPTER **Enrichment**
3 *The Power of Math*

What kind of math involves rotations, reflections, and translations? _____

To discover the answer, evaluate each power in Column 1 and match it to the correct answer in Column 2. Then, write the letter above the corresponding exercise number.

Column 1

1. $(-2)^5$

2. $(4^2)(2^1)$

3. -5^3

4. $(-6)^2$

5. $4^0 + (-2)^0$

6. $\left(\frac{3}{4}\right)^2$

7. $(-3)^3 + 4^2$

8. $-3^2 \cdot \left(-\frac{1}{4}\right)^2$

9. $10^2 + 5^2$

10. 4^{-1}

11. $\frac{10^2}{-5^2}$

12. $\left(\frac{1}{3}\right)^{-2}$

13. $-(\sqrt{6})^4$

Column 2

A -4

E $\frac{1}{4}$

F 36

G -36

I -125

L 125

M $\frac{9}{16}$

N -32

O 32

R -11

S 2

T 9

Y $-\frac{9}{16}$

___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___
12   7   11   1   5   4   2   7   6   11   12   3   2   1   11   9

___ ___ ___ ___ ___ ___ ___ ___
13   10   2   6   10   12   7   8

Holt Algebra 2