NAME _____ DATE _____

Chapter Review Games and Activities

For use after Chapter 8

Solve the following problems, and find the answer at the bottom of the page. Place the letter of the answer on the line with the problem number to answer the riddle.

What does the amateur magician who works as a mortician say when he pulls a rabbit out of his hat?

1. $x^3 \cdot x^4 \cdot x^2 =$

2. $3^{-3} \cdot 3^2 =$

3. $(x^2)^4 =$

4. $2x^6 \cdot (3x)^2 =$

5. $(3^{-2})^{-1} =$

6. $x^3 \cdot x^4 =$

7. $(-5)^0 \cdot x =$

8. $(-xy)(x^2y)^3 =$

9. $\dfrac{x^3 \cdot x^5}{x^6} =$

10. $\dfrac{2^{-4} \cdot 2^3}{2^{-2}} =$

11. $\dfrac{(x^3)^2}{(x^5)^3} =$

12. $(-3xy)^4(-x^3) =$

Answers:

(a) x^2 (c) x^7 (n) x^6 (e) x^{14} (m) x^{12} (b) x^8

(m) 3   (e) $\dfrac{1}{x^9}$ (v) 2   (l) x^{24} (a) x (r) $18x^8$

(a) 9   (t) $12x^4y^4$ (o) $\dfrac{1}{x^{10}}$ (a) x^9 (s) $-5x$ (m) $36x^8$

(f) $\frac{1}{6}$ (d) $-x^7y^4$ (r) $-81x^7y^4$ (b) $\frac{1}{3}$

$\overline{\quad}$ $\overline{\quad}$ $\overline{\quad}$ $\overline{\quad}$ $\overline{\quad}$
(1)   (2)   (3)   (4)   (5)

$\overline{\quad}$ $\overline{\quad}$ $\overline{\quad}$ $\overline{\quad}$ $\overline{\quad}$ $\overline{\quad}$ $\overline{\quad}$!!
(6)   (7)   (8)   (9)   (10)   (11)   (12)

Algebra 1
Chapter 8 Resource Book

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