

**Lesson 4.4: Exponent Laws**

Complete the *Practice* below. When you have completed all the questions for *Lesson 4.4 Practice – IV* with your best work, mark your work by first comparing your answers to the solutions provided in the *Appendix*. Then, apply the rubric found at the beginning of the *Workbook*.

**Practice – IV**

1. Apply the exponent laws to simplify the following expressions.

a.  $\frac{(2x^{12}y^2)(7x^{-4}y^7)}{(28x^2y)(xy^2)}$

b.  $\left(\frac{5a^5b^{-6}}{6a^{-2}b^2}\right)^{-2}$

c.  $(64a^{24}b^8)^{\frac{1}{2}}$

d.  $\left(\frac{343}{216}\right)^{-\frac{2}{3}}$

e.  $\left(\frac{1}{32}\right)^{-\frac{1}{5}}$

Mark your work for *Lesson 4.4 Practice – IV* using the solutions provided in the *Appendix*. Then, apply the rubric found at the beginning of the *Workbook*.

Transfer your self-assessed mark to the front cover of the *Workbook*.

My self-assessed mark on *Lesson 4.4 Practice – IV* is \_\_\_\_\_.

Reflect on your understanding of the concepts addressed in the *Practice* exercises in the table provided.

Question Number	Got it!	Almost there...	Need to retry or ask for help.
1			

Please go to *Appendix* to check your solutions before proceeding to *Explore Your Understanding Assignment* on the next page of this *Workbook*.

**Note:** Before you complete *Explore Your Understanding*, you may review your skills and get more practice by completing the following problems in *Mathematics 10*.

- Page 169, #2, 3, 4, 5, 6, 7, 8, and 21
- Page 180, #1, 2, 4, 5, 7, and 11
- Page 192, #1, 2, 3, 11, 12, 15, 16, 19, and 20

Check your work in *Enhance Your Understanding*.

