

Lesson 4.6

Practice A

- add; exponents
- subtract; denominator; numerator
- yes
- no
- no
- yes
- 5^{11}
- 9^6
- d^{10}
- z^{14}
- m^2
- 8^3
- 12
- p^4
- v^{14}
- w^5
- $(-2)^8$
- $(-8)^6$
- 5
- 6
- 4
- 10
- 5^2m^9
- 8^2g^{15}
- $3^3w^9x^3$
- f^5g^2
- a^2
- 6^2r
- 12^2k^4
- $8^4u^{13}v^7$
- $9^3b^8c^2$

Lesson 4.7

Practice A

- $a; n$
- 1
- $\frac{1}{36}$
- $-\frac{1}{243}$
- $\frac{1}{49}$
- 1
- $\frac{1}{2187}$
- $\frac{1}{4096}$
- 1
- $\frac{1}{16}$
- $\frac{1}{x^3}$
- 1
- $\frac{4}{p^5}$
- $\frac{1}{a^{11}}$
- 1
- $\frac{3}{f^{10}}$
- $\frac{1}{s^8}$
- $\frac{4}{t^7}$
- $\frac{2}{y^{15}}$
- $\frac{x}{2^8}$
- $\frac{1}{8^6u^9}$
- $\frac{m^3}{p^6}$
- 7000 micrometers
- $\frac{\text{ft} \cdot \text{lb}}{\text{s}}$
- $\frac{\text{lb}}{\text{in}^2}$

Challenge Practice

- $2x + 4 = 2; -1$
- $7 + 4x = 27; 5$
- $3x - 5 = 19; 8$
- $13 - 5x = 8; 1$
- $2x + 5 = 17; 6$
- $7x + 1 = 15; 2$
- $4x - 5 = 23; 7$
- $x + 3 - 2 = 10; 9$
- $\frac{1}{3} + x = \frac{7}{12}; \frac{1}{4}$
- $x - \frac{1}{2} = \frac{1}{10}; \frac{3}{5}$