

* Chapter 1 Review *

Sections 1-1 thru 1-4

Answer Section

- 1 D
- 2 $1818x^3$
- 3 A
- 4 6.16
- 5 -8
- 6 11^{16}
- 7 $18x^3$
- 8 $-32k^7j^2$
- 9 $15x^{16}$
- 10 $-\frac{120}{x^6y}$
- 11 5.4×10^{12}
- 12 2.1×10^{-3}
- 13 1.95×10^{10} dollars
- 14 $p^{\frac{1}{6}}$
- 15 p^5
- 16 p^8
- 17 $-18x^{\frac{7}{2}}$
- 18 $\frac{1}{k^3}$
- 19 $64h^6$
- 20 $81g^{31}h^{34}$
- 21 $\frac{1}{10000}q^{-32}$
- 22 $-h^{18}$
- 23 $216a^{21}b^{30}$
- 24 $8.75 \times 10^8 \text{ km}^2$
- 25 t^5
- 26 $\frac{1}{y^{14}}$
- 27 $\frac{m^6}{n^{11}}$
- 28 3.4×10^6
- 29 2.88×10^{15} miles

30 $\frac{27m^6}{512j^{15}}$

31 $\frac{27k^3}{64}$

32 $\frac{1}{27j^{21}}$

33 $\frac{125j^{15}}{27t^{12}}$

34 $\frac{4y^8}{t^6}$

35 $\frac{1}{m^{30}}$

36 $4^9\sqrt{x^4}$

37 7.88

38 To simplify, you must add the exponents. To add or subtract fractions, the denominator must be the same.

39 $2.44 \times 10^{10} \text{ m}^3$

40 $4x^{-\frac{11}{3}}$