

4.2

19. A

29. 9

39.  $p^3$

49.  $y^6$

59.  $-1/16$

69. 1

79.  $1/49$

89. 1

99.  $d^4/c^8$

109. -8

119.  $x^4/2y^5$

129.  $1/16p^4q^6$

139.  $-7/8$

4.3

5. Nano

6. Micro

7. Mega

8. Giga

45.  $0.18 \text{ g} = 18 \times 10^{-1} \text{ g}$

47.  $200,000,000 \text{ wat} = 2 \times 10^8 \text{ watts}$

49.  $0.0004 \text{ g} = 4 \times 10^{-4} \text{ g}$

51.  $4,900,000 \text{ m} = 49 \times 10^6 \text{ m}$

1.10

3. 0

13.

A. 3

B.  $-1/3$

23. Associative property of addition

33. Identity property of multiplication

43.  $y \times X$

53.  $4x + 4y + 12$

63. No

64. No

73. Commutative property of addition

## Chapter 2 practice test

1.  $6x - 12$
2.  $-x - 3y + 4$
3.  $-3x + 4$
4.  $-x + 10$
5.  $-5x - y - 6$
6.  $7a - 8b - 3$
7.  $2x^2 + 6x - 1$
8. 4
9. 8
10.  $-\frac{1}{7}$
11. No solution
12. All real numbers
13.  $X = -by - \frac{c}{a}$
14.  $y = \frac{6}{5}x - \frac{2}{5}$
15. 0
16. . 45
17.
  - A. Conditional equation
  - B. Contradiction
  - C. Identity
  
18.  $x > -7$
19.  $x$  is less than or equal to 12
20. No solution
21. All real numbers
22.  $10\frac{2}{3}$  feet

Chapter 1 prac test.

- 4.
- a. 42
- b. 42,0
- c. -6, 42, 0,-7-1
- d. -6, 42,  $-3\frac{1}{2}$ , 0, 6.52,  $\frac{5}{9}$ , -7, -1
- e. Sqrt of 5
- f.-6,42,  $-3\frac{1}{2}$ ,0, 6.52, sqrt 5,  $\frac{5}{9}$ , -7, -1
5. <
6. >
7. -15
8. -11
9. -14
10. 8
11. -24
12.  $\frac{16}{63}$
13. -3
- 14.- $\frac{53}{56}$
15. 12
- 16.- $\frac{32}{243}$
- 17.100
- 18.
19. 37
20. 11
21. 10
22. 1
23. Commutative property of addition
24. Distributive property
25. Associative property of addition