Full Download: http://alibabadownload.com/product/elementary-and-intermediate-algebra-4th-edition-emeritus-test-bank/

Name\_

## Chapter 2

- The law firm of Dewey, Cheetham, and Howe handled 45 personal injury cases this past year. this was <sup>9</sup>/<sub>5</sub> of the cases handled by the rival firm of Gypsum-Goode. How many personal injury cases were handled by Gypsum-Goode last year?

   A) 20 cases
   B) 45 cases
   C) 25 cases
   D) 30 cases
- 2. Cab drivers in Metro City charge \$4 per mile plus a fixed charge of \$2 for the tip. If a tourist pays \$46 for a cab ride, then how many miles was the cab ride?A) 10 milesB) 13 milesC) 14 milesD) 11 miles
- 3. Solve.

$$\frac{11}{12}m + 12 = m - \frac{1}{12}$$
  
A) {142} B) {-143} C) {145} D) {143}

4. Solve.

 $\begin{array}{c} 0.8q + 0.7 = 0.9q \\ \text{A) } \{7\} \quad \text{B) } \{70\} \quad \text{C) } \{10\} \quad \text{D) } \{9\} \end{array}$ 

5. Solve the given equation and identify it as a conditional equation, an inconsistent equation, or an identity.

s + 6s = 7s

- A)  $\emptyset$ , inconsistent B) All real numbers, identity C) {0}, conditional
- 6. Solve the given equation and identify it as a conditional equation, an inconsistent equation, or an identity.

$$v - 11 = v + 11$$

8u + 11u = 9u

- A)  $\emptyset$ , inconsistent B) All real numbers, identity C) {0}, conditional
- 7. Solve the given equation and identify it as a conditional equation, an inconsistent equation, or an identity.
  - A)  $\emptyset$ , inconsistent B) All real numbers, identity C) {0}, conditional
- 8. Solve the given equation and identify it as a conditional equation, an inconsistent equation, or an identity.

64 - 4(s + 5) = 0

A) Ø, inconsistent B) All real numbers, identity C) {11}, conditional

- 9. Ferdinand sold his algebra textbook using an internet auction site that charges a commission of 8% of the selling price. After the commission was paid, Ferdinand received \$22.40. If x represents the selling price, then x satisfies x - 0.08x = 22.40. Solve this equation to find the selling price. A) \$24.35 B) \$21.82 C) \$27.34 D) \$28.97
- 10. Solve for x.

8(x-a) - (28b - x) = a - bA) x = 4a + 3b B) x = 4a + 4b C) x = a + 3b D) x = a + 4b

- 11. Find y given that x = 6 and y = 3x 1. A) 17 B) 7 C) 5 D) 19
- 12. Translate into an algebraic expression.

25 decreased by the quotient of x and 7

A) -	$\frac{25-x}{7}$	B) $\frac{x}{7} - 25$	C) $25 + \frac{x}{7}$	D) $25 - \frac{x}{7}$
------	------------------	-----------------------	-----------------------	-----------------------

13. Find an algebraic expression for the underlined quantity. The distance, given that the rate is x miles per hour and the time is 5 hours.

A) 5x miles B) x - 5 miles C)  $\frac{5}{x}$  miles D) x + 5 miles

- 14. Find three consecutive integers whose sum is 81. A) 25, 26, 27 B) 26, 28, 30 C) 26, 27, 28 D) 27, 28, 29
- 15. Lori built a dog lot for her dog, Chollie, by fencing in a rectangular area of her yard. If Chollie's lot required 52 feet of fence and the length is 2 feet longer than the width, then what are the length and width of Chollie's dog lot?

  - A) 6 feet long and 20 feet wideB) 18 feet long and 8 feet wideC) 10 feet long and 16 feet wideD) 14 feet long and 12 feet wide
- 16. Carol drove for 2 hours on a two-lane state road. She then increased her speed by 20 miles per hour on the freeway and drove for 6 more hours. If the total trip was 480 miles, then what was her speed on the freeway? A) 60 mph B) 65 mph C) 45 mph D) 67 mph
- 17. James paid \$285 for a DVD player that was priced originally at \$300. What was the discount rate? A) 3% B) 10% C) 7% D) 5%
- 18. Mark and Brenda wish to get \$128,800 for their home. The real estate agent's commission is 8% of the selling price. What should the selling price be? A) \$141,200 B) \$142,500 C) \$128,800 D) \$140,000

- 19. Liam invested some money in the Abernathy Fund and \$8,436 more than that amount in the Carlson Fund. For the year he was in these funds, the Abernathy fund paid 8% simple interest and the Carlson Fund paid 11% simple interest. If the income from the two funds totalled \$2,175.12, then how much was invested in each fund?
  - A) \$6,564 in Abernathy and \$15,000 in Carlson
  - B) \$16,500 in Abernathy and \$8,064 in Carlson
  - C) \$8,064 in Abernathy and \$16,500 in Carlson
  - D) \$15,000 in Abernathy and \$6,564 in Carlson
- 20. How many pints of a 7% cleaning solution must be mixed with 9 pints of a 15% cleaning solution to give a 13% solution?

A) 6 pints B) 3 pints C) 4 pints D) 9 pints



22. Which of the following is the correct graph of the inequality  $1 < x \le 4$ ?

A)	-4	-3	-2	-1	0	-	2	3	
B)	<b>→</b>	-3	-2	-1		-(	$\frac{2}{2}$		
C)	₩	-3	-2	-1		$-\frac{1}{1}$	$\frac{2}{2}$	3	4
D)	<b>∢</b> -4	-3	-2	-1	0	Ē	2	3	

- 23. At a 10% discount rate, Jack's discount was more than \$27 on the jacket he purchased. Write an inequality to describe this situation using *p* for the original price of the jacket. A) 0.1p > 27 B) 0.9p > 27 C)  $0.1p \ge 27$  D) 1.1p > 27
- 24. Write the appropriate inequality symbol in the blank so that the two inequalities are equivalent.

$$39 \ge 3r$$

$$13 \_ r$$
A)  $13 \le r$  B)  $13 \ge r$  C)  $13 < r$  D)  $13 > r$ 

25. Solve and write your solution in interval notation.

 $-21 < 33 - 9x \le -3$ A) [4, 6) B) Ø C) [2, 6) D) (2, 6]

- 26. The length of a rectangle must be 6 centimeters more than the width, and the perimeter must be at least 36 centimeters. What is the range of values for the width?
  - A) At least 6 centimeters

- C) No more than 12 centimeters
- B) At least 12 centimeters D) At most 6 centimeters

## **Elementary and Intermediate Algebra 4th Edition Emeritus Test Bank**

Full Download: http://alibabadownload.com/product/elementary-and-intermediate-algebra-4th-edition-emeritus-test-bank/

Chapter 2

## **Answer Key**

- 1. C
- 2. D
- 3. C 4. A
- 5. B
- 6. A
- 7. C
- 8. C
- 9. A
- 10. C
- 11. A
- 12. D
- 13. A 14. C
- 14. C
- 16. B
- 17. D
- 18. D
- 19. A
- 20. B
- 21. B
- 22. B
- 23. A
- 24. B
- 25. A
- 26. A