Part 1
Practice Final
1st Semester

Name_____

1. Seventeen minus p equals 35.

A. $p - 17 = 35$ B. $17 - p = 35$
C. $17 = p - 35$ D. $17 = 35 - p$

2. five more than six times x

A. $6x - 5$ B. $(5 + 6)x$ C. $6x + 5$ D. $5x - 6$

3. $16 + 32 \div 4 - 10$

A. 2 B. 8 C. 14 D. 18

4. Thirty plus the product of eight and m equals eleven.

A. $30 + 8m = 11$ B. $38m = 11$
C. $30m + 8 = 11$ D. $30(8 + m) = 11$

5. Evaluate the algebraic expression $\frac{r + 12}{3(s - 2)}$ if $r = 66$ and $s = 4$.

A. 11 B. 13 C. 15 D. 26

6. $(7 \cdot k) \cdot 11$

A. $77k$ B. $18k$ C. $7 \cdot (k \cdot 11)$ D. $77 + k$

7. $32 + (28 + w)$

A. $28 + 32w$ B. $60w$ C. $60 + w$ D. $(32 + 28) + w$

8. $16c + 38 - 11c$

A. $38 + 27c$ B. $38 + 5c$ C. $43c$ D. 43

9. $3(9ab + 15ab)$

A. $42ab$ B. $72ab$ C. $72 + 3ab$ D. $27ab + 15ab$

10. $14n + 6r + 7r - 5n$

A. $19n + 13r$ B. $9n + r$ C. $22nr$ D. $9n + 13r$

11. Order -8, 6, -7, 7, and 0 from greatest to least.

A. $-8, -7, 0, 6, 7$ B. $-8, 7, -7, 6, 0$

C. $7, 6, 0, -7, -8$ D. $7, 6, 0, -8, -7$

12. Which of the following sentences is true?

A. $|-3| > -|-3|$ B. $2 < |-2|$

C. $|-5| < |-3|$ D. $-5 > -3$

13. Evaluate $-|14| + |-7|$.

A. -21 B. -7 C. 7 D. 21

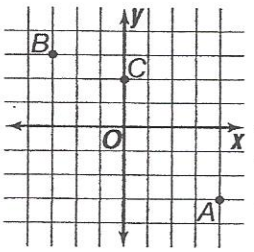
14. Which of the following points is located in Quadrant III?

A. $(-2, -4)$ B. $(-6, 0)$ C. $(-5, 3)$ D. $(1, -2)$

15. Which ordered pair names point A?

A. $(-3, 4)$ B. $(-4, -3)$

C. $(3, -4)$ D. $(4, -3)$



16. In which quadrant is point C located?

A. I

B. II

C. No quadrant; it lies on the y-axis.

D. No quadrant; it lies on the x-axis.

17. What is the value of k if $40 + (-58) + 32 = k$?

A. 130 B. 50 C. 16 D. 14

18. Simplify $15z + (-23z) + 25z$.

A. $27z$ B. $17z$ C. $63z$ D. $-7z$

19. A basketball player averages 24 points per game. In her next four games, she scores 5 points above her average, 4 points below her average, 6 points below her average, and 11 points above her average. How many points total is she above or below average for the four games?

A. 6 below B. 4 below C. 4 above D. 6 above

20. Evaluate $20 - a + b$ if $a = 18$ and $b = -5$.

A. 43 B. 33 C. -3 D. -7

21. The week that your rent is due your paycheck is \$462. If your rent is \$275, how much money do you have left for the week after paying your rent?

A. \$87 B. \$177 C. \$187 D. \$737

22. Find the difference: $-12 - (-5)$.

A. -17 B. -7 C. 7 D. 17

23. Simplify $-14d - 8d - (-21d)$.

A. $-d$ B. $-43d$ C. $-15d$ D. d

24. Evaluate $-2xy + 3z$ if $x = 8$, $y = -1$, and $z = -5$.

A. 31 B. 1 C. -1 D. -31

25. Simplify $-2(-3r)(5s)$.

A. $6r + 5s$ B. $11r + s$ C. $25rs$ D. $30rs$

26. Find the quotient: $-125 \div (-5)$.

A. -120 B. -24 C. 24 D. 25

27. Evaluate $\frac{mp - n}{-3}$ if $m = -5$, $n = 6$, and $p = -3$.

A. -7 B. -3 C. 3 D. 7

28. Find the value of s if $-84 \div 12 = s$.

A. 72 B. 7 C. -7 D. -8

29. Write the numbers $\frac{2}{11}$, $-\frac{1}{3}$, -0.35, and $\frac{2}{13}$ from least to greatest.

A. $-\frac{1}{3}, -0.35, \frac{2}{11}, \frac{2}{13}$ B. $-\frac{1}{3}, -0.35, \frac{2}{13}, \frac{2}{11}$

C. $-0.35, -\frac{1}{3}, \frac{2}{13}, \frac{2}{11}$ D. $-0.35, -\frac{1}{3}, \frac{2}{11}, \frac{2}{13}$

30. Which sentence is true?

A. $\frac{4}{5} > \frac{9}{12}$ B. $\frac{2}{7} < \frac{2}{9}$ C. $\frac{3}{2} = \frac{2}{3}$ D. $\frac{4}{18} > \frac{2}{6}$

31. Find $\frac{2}{3} + \frac{4}{7} - \frac{8}{9}$.

A. $-\frac{2}{63}$ B. $\frac{1}{3}$ C. $\frac{22}{63}$ D. $1\frac{61}{63}$

32. During one week, Alicia makes credit card purchases of \$28, \$35, and \$52. She also makes a payment of \$200. If she owed \$600 at the beginning of the week, what is her new balance at the end of the week?

A. \$285 B. \$515 C. \$685 D. \$715

33. What is the median of 29, 46, 35, 45, 32, and 45?

A. 16 B. $38\frac{2}{3}$ C. 40 D. 45

34. Salma earned the following scores on her algebra quizzes this term: 78, 86, 94, 87, 98, and 90. What is her mean quiz score to the nearest tenth?

A. 88.5 B. 88.8 C. 89.0 D. 90.5

35. Solve $m = \frac{56 \div 8 - 4}{11 + 16 - 18}$.

A. $\frac{1}{15}$ B. $\frac{3}{11}$ C. $\frac{1}{3}$ D. $3\frac{1}{9}$

36. Solve $y + (-6) = 9$.

A. 15 B. 3 C. -3 D. -15

37

$\frac{7}{8} = f - \left(-\frac{5}{24}\right)$

A. $\frac{1}{12}$ B. $\frac{2}{3}$ C. $1\frac{1}{12}$ D. $1\frac{7}{24}$

38.

$g + 4.86 = 2.59$

A. -2.37 B. -2.27 C. 2.37 D. 7.45

39.

Which equation corresponds to the statement *the sum of x and 10.4 is −3.8*?

A. $x = 10.4 - 3.8$ B. $x - 10.4 = -3.8$
C. $x + 10.4 = -3.8$ D. $x - 3.8 = 10.4$

40.

$|s - 12| - 5 = 9$

A. $\{-2, 26\}$ B. $\{2, 26\}$ C. $\{8, 16\}$ D. $\varnothing$

41.

Simplify $\left(-\frac{4}{7}x\right)\left(-\frac{21}{44}y\right)$.

A. $\frac{3}{11}xy$ B. $-\frac{25}{51}xy$ C. $-\frac{3}{11}xy$ D. $\frac{11}{3}xy$

42.

Find $-28 \div (-5.6)$.

A. 5.5 B. 5 C. -5 D. -5.5

43.

Evaluate $-\frac{h}{f}$ if $f = \frac{2}{3}$ and $h = \frac{1}{9}$.

A. $\frac{2}{27}$ B. $-\frac{2}{27}$ C. $-\frac{1}{9}$ D. $-\frac{1}{6}$

44.

Solve $-\frac{15}{22}p = \frac{5}{11}$.

A. $\frac{3}{2}$ B. $\frac{2}{3}$ C. $-\frac{2}{3}$ D. $-\frac{3}{2}$

45.

Eight fifteenths of a number b is $-\frac{2}{3}$. What is the number?

A. $\frac{5}{4}$ B. $\frac{4}{5}$ C. $-\frac{4}{5}$ D. $-\frac{5}{4}$