

Chapter 3

Take Home Quiz #1

For use after Section 3.2

Identify the terms and like terms in the expression.

1. $10x + 5 + 3x + 1$

2. $-2n + 7n - r + 10r$

3. $-12h^2 - 4 + 9 - 3h^2$

4. $1.4c + 11.4 - 2c - 7.3c$

Simplify the expression.

5. $8v - 15v$

6. $7d + 5 - 4d$

7. $12x + 9 - 3x - 4$

8. $3(x + 4) + 5x$

Find the sum or difference.

9. $(3x - 5) + (-4x + 1)$

10. $6(-2.1k - 2) + (7k + 5)$

11. $(2m + 7) - (3 - 4m)$

12. $\frac{2}{3}(6c + 4) - (8c - 5)$

Factor out the coefficient of the variable.

13. $\frac{1}{2}d + 6$

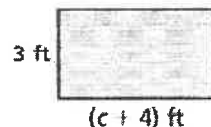
14. $-3.6z - 10.8$

15. You and your friends order food from a menu where each item costs the same amount. Write an expression in simplest form that represents the total amount of money the order will cost.

GUEST CHECK

4	Soda	
1	Milkshake	
5	Cheeseburger	
2	Chicken Fingers	
4	French Fries	

16. Write an expression in simplest form for the area of the rectangle.



17. Eastside Bowling charges \$2.25 for shoes and \$3.00 per game. Westside Bowling charges \$1.75 for shoes and \$2.50 per game. Write an expression in simplest form that represents how much more Eastside Bowling charges than Westside Bowling.

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____
15. _____
16. _____
17. _____

Chapter 3

Take Home Quiz #2

For use after Section 3.5

Solve the equation. Check your solution.

1. $b - 6 = -11$

2. $8 = q + 15$

3. $x + 4\frac{1}{3} = -2\frac{5}{6}$

4. $-2.5 + w = 3.7$

5. $\frac{n}{-5} = 7$

6. $-2p = \frac{4}{11}$

7. $17 = -7z + 3$

8. $\frac{a}{6} - \frac{1}{2} = \frac{1}{3}$

Write the word sentence as an equation. Then solve.

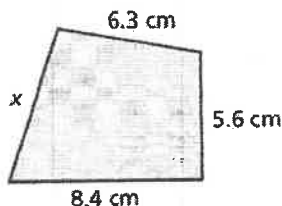
9. 3 less than a number h is -12 .

10. The sum of a number b and 7.5 is 4.8.

11. The product of $-\frac{3}{4}$ and a number x is -27 .

12. The quotient of a number m and -3.2 is 15.

13. The perimeter of the polygon is 27.4 centimeters. Write and solve an equation to find the unknown side length.



14. The bottom floor of a parking garage has an elevation of -36 feet. The top floor is 124 feet higher. What is the elevation of the top floor?

15. Store A sells jeans for $\frac{7}{8}$ of the price at Store B. Store A sells jeans for \$35. Write and solve an equation to find how much you save by buying jeans at Store A.

16. You are biking to your friend's house to do math homework. Halfway there, you realize you forgot your textbook, so you turn around. After biking 0.25 mile, you are one mile from your house. What is the distance between your house and your friend's house?

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

13. _____

14. _____

15. _____

16. _____