

Assignment

Write

Write a definition of *like terms* in your own words. Use an example to illustrate your definition.

Remember

Use the Order of Operations to simplify expressions.

1. Simplify expressions in parentheses.
2. Simplify powers.
3. Multiply and divide from left to right.
4. Add and subtract from left to right.

Practice

Simplify each expression by combining like terms.

1. $6x + 4x$
 2. $-5y + 2y$
 3. $-3m - 8(m + 1)$
 4. $-8(r - 2) + 6(r - 2)$
 5. $9m - 7m + 13$
 6. $4a + 8b$
 7. $2(x + 3) + 4(x - 3)$
 8. $6 - 2(3x + 4)$
 9. $4.5x + 2.5(x - 4)$
 10. $3.1 - 4.9(x + 1)$
11. Identify the expression or expressions equivalent to $-5 + 4(-2x + 6) - 3x$.
- a. $-8x + 19 - 3x$
 - b. $5x - 29$
 - c. $-11x + 19$
 - d. $-5x - 19$

Stretch

Sonya is renting a car. She pays a fee of \$50 for the rental plus \$20 each day she has the car. Suppose she pays a total of \$130. For how many days did she rent the car?

Review

Rewrite each expression using the Distributive Property.

1. $5x + 11x$
2. $-2(x - 5)$

Determine each product or quotient.

3. $-\frac{2}{3} \times \frac{1}{5}$
4. $-\frac{1}{8} \div 4$

Solve for the unknown in each proportion. Round to the nearest tenth.

5. $\frac{4.1}{42} = \frac{x}{12}$
6. $\frac{9.7}{1.4} = \frac{5.2}{y}$