

Pre-Algebra

Name: \_\_\_\_\_

4.2: Extra Practice

Hour: \_\_\_\_\_

Parts of an Expression and More Translations

Write each statement using number, variables and operations.

1. Four times a number increased by the product of 3 and the quantity of a number plus one.
2. Twice the quantity of the difference of a number and 2 is less than 44.
3. The quotient of -8 and a number is equal to 16.
4. Twelve is less than some number.
5. Twelve less than some number is greater than 22.
6. The sum of 12 and a number doubled is at least 35.
7. A number cannot exceed 47.
8. 15 more than a number is equal to 4 times the quantity of a number minus 3.
9. 18 less than some number is at most 44.
10. 18 is more than some number squared.

Identify the terms, coefficients, constant terms and like terms for each expression. Then simplify each expression.

**1.  $3xy + 14x + 8y - 9x + 12 - 6x - (-2xy) + 3y - 5$**

Terms	Coefficients	Constant terms	Like Terms	Simplified

**2.  $12x + 8x^2 - 3x + 9x^2 - 2 + 7x - 1x^2$**

Terms	Coefficients	Constant terms	Like Terms	Simplified

**3.  $13 - 9ab + 2a - b$**

Terms	Coefficients	Constant terms	Like Terms	Simplified

**4.  $3y - 6xy + 5 - 8y - x + 5 - x + 9xy - 4 + x^2$**

Terms	Coefficients	Constant terms	Like Terms	Simplified

**5.  $15x - 11 + y - 9y$**

Terms	Coefficients	Constant terms	Like Terms	Simplified