

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

Period: \_\_\_\_\_

## Expressions and Equations

### Test Study Guide

What is the coefficient of the third term in  $2+4x+5y$ ?

Write an expression that represents the phrase “the product of  $y$  and the quantity ‘6 less than  $y$ ’”?

Identify the terms, coefficients, variables, and constants in  $2x+3y+4$ .

Write a word expression that describes  $6x+4$ .

Write an expression that represents the phrase “eight less than the product of six and a number.”

Create an equivalent expression for  $36x+48$ .

Create an equivalent expression for  $y+y+y+y+2-1$ .

Combine like terms to create an equivalent expression:  
 $x+y+z+x+z$ .

Solve the equation:  $x+3.4=5.6$ .

Solve the equation:  $1.2x=2.4$ .

Solve the equation  $3x=24$ .

Create an equivalent expression:  $(2 \times 70) + 36 + (2 \times 23) + (2 \times 65) + 36$ .

Create an equivalent expression for  $18x+15$ .