GUIDED PRACTICE

Lesson 15 – Algebra Basics

Math Translations

Write an expression for each problem.

Six less than a number

Twice a number increased by 4

x-squared minus 5

¾ times the quantity w + 9

Joe and two other doctors share the cost of a rental space for their office. Let c represent the cost of the space. Write an expression that shows Joe’s share of the rent.

Write a word expression for each algebraic expression.

2 + n

5x

Solve each problem if x = 2, w = 5, and z = 3.

4x 5(x + z) 2(x + w)2 – 2x

Solve.

x + 10 when x = -3 y – 11 when y = 3

12 + 5a when a = 4 25 – xy when x = 4, y = 3