

Chapter 3 sec 1

1) Example 2, page 173. Let W represent the width of the rectangle. The length of a rectangle is 4 feet longer than its width. Express the length of the rectangle in terms of its width W .

2) The width of a rectangle is 5 inches shorter than its length L . Express the width of the rectangle in terms of its length L .

3) Example 3, page 173. A string measures 15 inches is cut into two pieces. Let x represent the length of one of the resulting pieces. Express the length of the second piece in terms of the length x of the first piece.

4) EXAMPLE 4, page 174. Translate the following phrases into mathematical expressions: (a) "11 times x ," (b) "quotient of y and 4," and (c) "twice a ."

5) Example 7, page 175. Let the first number equal x . The second number is 3 more than twice the first number. Express the second number in terms of the first number x .