

Name: _____ Per: _____

Homework QF2

1. The product of two consecutive integers is 56. Find the numbers.

2. The product of two even consecutive integers is 24. Find the integers.

3. Javon's homework is to determine the dimensions of his rectangular backyard. He knows that the length is 10 feet more than the width, and the total area is 144 square feet. Write an equation that Javon could use to solve this problem. Then find the dimensions, in feet, of his backyard.

4. The area of a rectangular walkway is 50 square meters. If the length is 5 more than its width, what are the dimensions of the walkway?

5. The width of a rectangle is 6 less than the length. If the area is 40 square feet, what are the dimensions of the rectangle?

6. Find three consecutive odd integers such that the product of the first and the second exceeds the third by 8. Find the numbers.

7. Tamara has two sisters. One of the sisters is 7 years older than Tamara. The other sister is 3 years younger than Tamara. The product of Tamara's sisters' ages is 24. How old is Tamara?