

Name \_\_\_\_\_ Block \_\_\_\_\_

#### Quadratic Word Problems 4

1) Two consecutive positive integers have the property that the product of one integer and three times the other equals 546. What is the sum of the integers?

2) There are two numbers with the following properties:

A. the second number is 5 more than the first

B. the product of the two is 8 more than 4 times their sum

What are the two numbers?

3) The length of a rectangle is 3 cm. greater than the width. If the area is  $108 \text{ cm}^2$ , what is the width?