Name: _____ Date: _____

QUADRATIC WORD PROBLEMS
COMMON CORE ALGEBRA I HOMEWORK

FLUENCY

1. The product of two consecutive positive even integers is 14 more than their sum. Set up an equation that can used to find the two numbers and solve it.

2. The length of a rectangle is 4 less than twice the width. The area of the rectangle is 70 square feet. Find the width, w, of the rectangle algebraically. Explain why one of the solutions for w is not viable.

3. Two sets of three consecutive integers have a property that the product of the larger two is one less than seven times the smallest. Set up and solve an equation that can be used to find both sets of integers.

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