

Name: _____

Date: _____

UNIT 3 • MODELING AND ANALYZING QUADRATIC FUNCTIONS

Lesson 1: Creating and Solving Quadratic Equations in One Variable

Problem-Based Task 3.1.3: Don't Drop the Ball!

A city is installing two identical rectangular volleyball courts at the local park. The expression $2x^2 + 6x - 36$ represents the combined area of both courts. If each court is 9 meters by 18 meters, what does x equal?

SMP	
1 ✓	2 ✓
3	4
5	6
7 ✓	8

