

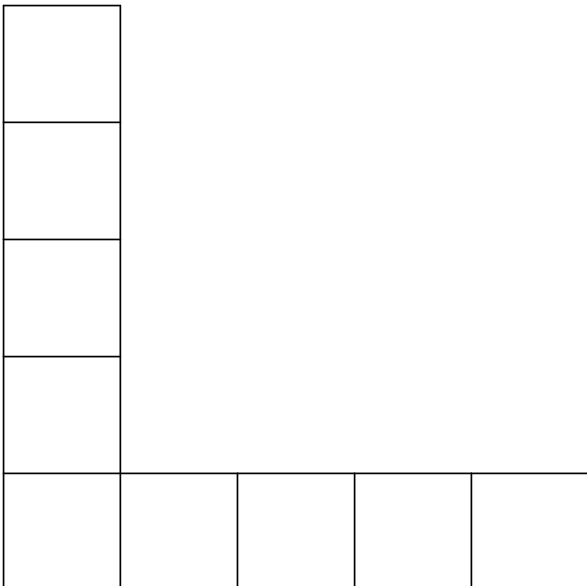
Name: \_\_\_\_\_

Date Turned in: \_\_\_\_\_  
Reason for being Late: \_\_\_\_\_

Quarter 2 Problem Solving #2

1. Jerry had an average score of 85 on his first 8 quizzes. He had an average score of 81 on his first nine quizzes. What score did he earn on his ninth quiz?

2. Each of the nine squares shown contains one number: 1, 2, 3, 4, 5, 6, 7, 8, or 9. No number is to be repeated. Suppose the sum of the numbers in the five vertical squares is 32 and the sum of the numbers in the five horizontal squares is 20. What number goes in the shared corner square?



Name: \_\_\_\_\_

Date Turned in: \_\_\_\_\_

Reason for being Late: \_\_\_\_\_

3. A supplement of  $\angle 1$  is four times as large as the complement of  $\angle 1$ . Find the measure of  $\angle 1$ .  
(Example: the supplement to a  $30^\circ$  angle is  $150^\circ$ . The complement to a  $30^\circ$  angle is  $60^\circ$ )

1. Ray BD is the bisector of  $\angle ABC$ . If  $m\angle ABD = 2x+14$  and  $m\angle CBD = 5x-10$ , what is the measure of  $\angle ABD$ ?