Assignment 1

Name: __________________________ 
Course: __________________________
Date: __________________________ 

Section A: Word Problems

1. A car travels 150 miles using 5 gallons of gasoline. How many gallons of gasoline would be needed to travel 450 miles?

2. A recipe calls for 2 cups of flour to make 3 dozen cookies. How many cups of flour are needed to make 15 dozen cookies?

3. A bookstore sells books for $10 each. If you buy 5 books, how much will you spend?

Section B: Geometry

4. What is the area of a rectangle with a length of 10 units and a width of 5 units?

5. A circle has a radius of 4 units. What is the circumference of the circle?

6. A triangle has sides of length 3 units, 4 units, and 5 units. Is the triangle a right triangle?

Section C: Algebra

7. Solve for x: 2x + 3 = 7

8. Solve for y: 3y - 2 = 10

9. The sum of two consecutive integers is 23. What are the two integers?

Section D: Data Analysis

10. The table below shows the number of books read by students in a month. Construct a bar graph to represent the data.

<table>
<thead>
<tr>
<th>Student</th>
<th>Books Read</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alex</td>
<td>12</td>
</tr>
<tr>
<td>Sarah</td>
<td>15</td>
</tr>
<tr>
<td>Tom</td>
<td>10</td>
</tr>
<tr>
<td>Linda</td>
<td>18</td>
</tr>
</tbody>
</table>

Submission Date: __________________________

Signature: __________________________