Student Name: _____

Instructor Name: [Please know your instructor's name.]   Total Score: 25/25
Excellent!

Test 03

For each problem,
1. Set up the legend
2. draw any necessary diagrams
3. identify the formula
4. set up a chart
5. solve the equation
6. write a sentence answering the question

Be neat and organized in your work!

1. Marjorie took a trip up the coast of California. The total distance she drove was 540 miles and the total amount of time she spent driving was 12 hours. What was her average rate of speed for the duration of the trip?

Let r = average rate of speed ✓ good legend

$d = r \cdot t$ ✓ formula

equation ✓ $540 = r \cdot 12$

good solving
$$\frac{540}{12} = \frac{r \cdot 12}{12}$$
$$45 = r$$

$$
\begin{array}{r}
45 \\
12\overline{)540} \\
-48 \\
\hline
60 \\
-60 \\
\hline
0
\end{array}
$$

d	= r ·	t	
540	r	12	
rate = 45 mph			

includes the unit of measure

Sentence: _Her average rate of speed was 45 mph._

#1 Score: 5/5