

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

**Note:** When solving word problems, if you write a proportion involving an "x" or a variable, you must define that variable and use the "5 step" process.

1. Solve the proportion:  $\frac{5}{x} = \frac{25}{30}$

2. Solve for x:  $\frac{x}{9} = \frac{x+2}{11}$

3. Is  $\frac{5}{7} = \frac{41}{56.7}$  a proportion? How do you know?

4. Solve the proportion for x:  $\frac{\frac{1}{4}}{5} = \frac{6}{x}$

5. Jack drives 125 miles in 2 ½ hours. At this rate, how far will he be able to drive in 4 hours. (See note at top of page.)

