**Lesson #5: Solving for Proportions**

**CLO: Students will solve for variables using proportions and be able to explain, verbally, in their own words the process for solving proportions.**

**Warm-Up**

1. **In the space provided, please write down everything you know about proportions.**
2. **Solve for x:**

**FILL OUT YOUR PLANNER WHEN YOU ARE DONE WITH YOUR WARM-UP**

**What are you going to be doing today in class?**

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**Why are you going to be doing this?**

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**Comparing 2 numbers is called a ratio.**

**Example: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Ways to write a ratio: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Terminating decimal: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Repeating decimal: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

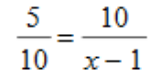
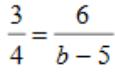
**A proportion is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

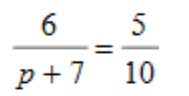
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**Examples:**

**Solving for a variable using proportions:**

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