Unit 3 Day 5 Solve Proportions Classwork   Name: _____

In each equation below, the letter *x* stands for the unknown number. Use any method you like to find what the number *x* stands for. Write down exactly how you do it, try to use a variety of methods.

Be sure to check your answers and write down in detail how you find them.

1. $\dfrac{x}{5} = 7$

2. $\dfrac{x}{6} = \dfrac{72}{24}$

3. $\dfrac{x}{8} = \dfrac{11}{4}$

4. $\dfrac{x+1}{3} = \dfrac{4}{6}$

5. $\dfrac{5}{13} = \dfrac{19}{x}$

6. $\dfrac{x}{7} = \dfrac{5}{3}$

7. $\dfrac{2}{x} = 6$

8. $\dfrac{9}{x} = \dfrac{x}{16}$

9. $\dfrac{x+6}{14} = \dfrac{2x}{7}$