

Algebra Foundations  
HW 25 Solving Proportions

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

Date: \_\_\_\_\_ Per. \_\_\_\_\_

Solve each proportion. Show the equation that result from the cross products, then solve the equation. Use a calculator as needed, and give answers in decimal form for some problems. **Check answers** at the bottom of the page.

1. $\frac{5}{n} = \frac{3}{7}$	2. $\frac{x}{3} = \frac{8}{6}$
3. $\frac{4}{10} = \frac{m}{5}$	4. $\frac{b}{9} = \frac{4}{5}$
5. $\frac{3}{7} = \frac{r+1}{5}$	6. $\frac{10}{x-4} = \frac{6}{8}$
7. $\frac{r+10}{r} = \frac{6}{4}$	8. $\frac{8}{p} = \frac{7}{p-10}$
9. $\frac{x-1}{x+9} = \frac{3}{7}$	10. $\frac{8}{n-2} = \frac{2}{n+4}$

Answers in random order:

4, 80, -6, 20, 1.14, 2, 7.2, 11.67, 7.2, 17.33