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

Proportion Review Homework

1. The male to female ratio in a particular country is 52 to 48. Write this ratio as a fraction in reduced form.
2. Find the ratio of the perimeter of rectangle *BCDA* to the perimeter of rectangle *KLMJ.*



**Solve the following proportions! You must show all work in order to receive credit! Simplify all answers (you may use decimals).**



3.

1. 
2. 





7.

8. $\frac{y+5}{5}$ = $\frac{6}{y-2}$

9.$ \frac{m+3}{4}$ = $\frac{11}{m-4}$

10.$ \frac{2}{p+4}$ = $\frac{p+5}{3}$

11.$ \frac{n+4}{3}$ = $\frac{-3}{n-2}$

**Solve the following proportions! You must show all work in order to receive credit! These will be checked!! Simplify all answers (you may use decimals).**

12. A bus travels 80 miles on 4 gallons of gas. Write and solve a proportion to determine the number of gallons needed to travel 300 miles.

13. On a blueprint, the scale indicates that 6 centimeters represent 15 feet. What is the length of the room that is 14.4 centimeters long and 5 centimeters wide on a blueprint?