

NAME \_\_\_\_\_

DATE \_\_\_\_\_

PERIOD \_\_\_\_\_

**PRE-ALGEBRA**  
**CHAPTER 8-2 PROPORTIONS**

Express each proportion using cross products.

1.  $\frac{16}{48} = \frac{x}{100}$

9.  $\frac{.14}{.07} = \frac{v}{1.5}$

2.  $\frac{18}{24} = \frac{12}{p}$

10.  $\frac{80}{z} = \frac{48}{20}$

3.  $\frac{6}{6} = \frac{6x}{6}$

11.  $\frac{18}{45} = \frac{2}{c}$

4.  $\frac{1.8}{d} = \frac{3.6}{2.8}$

12.  $\frac{8}{6} = \frac{w}{27}$

5.  $\frac{8}{h} = \frac{5}{2}$

13.  $\frac{1}{3} = \frac{x}{6}$

6.  $\frac{144}{6} = \frac{6x}{6}$

14.  $\frac{24}{12} = \frac{x}{6}$

7.  $\frac{20}{30} = \frac{10}{x}$

15.  $\frac{6}{t} = \frac{6}{4}$

8.  $\frac{4}{5} = \frac{x}{5}$

16.  $\frac{r}{3} = \frac{8}{8}$