

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

Date: \_\_\_\_\_

## Cross Multiplying Proportions

1.  $\frac{3}{x} = \frac{9}{15}$  ;  $x =$  \_\_\_\_\_

7.  $\frac{84}{7} = \frac{x}{12}$  ;  $x =$  \_\_\_\_\_

2.  $\frac{x}{2} = \frac{12}{8}$  ;  $x =$  \_\_\_\_\_

8.  $\frac{112}{196} = \frac{8}{x}$  ;  $x =$  \_\_\_\_\_

3.  $\frac{7}{21} = \frac{x}{27}$  ;  $x =$  \_\_\_\_\_

9.  $\frac{3}{5x} = \frac{9}{45}$  ;  $x =$  \_\_\_\_\_

4.  $\frac{13}{65} = \frac{20}{x}$  ;  $x =$  \_\_\_\_\_

10.  $\frac{4x}{20} = \frac{65}{13}$  ;  $x =$  \_\_\_\_\_

5.  $\frac{7}{x} = \frac{4}{8}$  ;  $x =$  \_\_\_\_\_

11.  $\frac{9}{4} = \frac{72}{8x}$  ;  $x =$  \_\_\_\_\_

6.  $\frac{x}{8} = \frac{16}{2}$  ;  $x =$  \_\_\_\_\_

12.  $\frac{7}{3x} = \frac{2}{6}$  ;  $x =$  \_\_\_\_\_

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

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## Cross Multiplying Proportions

1.  $\frac{3}{x} = \frac{9}{15}$ ;  $x = 5$

7.  $\frac{84}{7} = \frac{x}{12}$ ;  $x = 144$

2.  $\frac{x}{2} = \frac{12}{8}$ ;  $x = 3$

8.  $\frac{112}{196} = \frac{8}{x}$ ;  $x = 14$

3.  $\frac{7}{21} = \frac{x}{27}$ ;  $x = 9$

9.  $\frac{3}{5x} = \frac{9}{45}$ ;  $x = 3$

4.  $\frac{13}{65} = \frac{20}{x}$ ;  $x = 100$

10.  $\frac{4x}{20} = \frac{65}{13}$ ;  $x = 25$

5.  $\frac{7}{x} = \frac{4}{8}$ ;  $x = 14$

11.  $\frac{9}{4} = \frac{72}{8x}$ ;  $x = 4$

6.  $\frac{x}{8} = \frac{16}{2}$ ;  $x = 64$

12.  $\frac{7}{3x} = \frac{2}{6}$ ;  $x = 7$