

Assignment

Date _____ Period _____

Solve each proportion.

1) $\frac{4}{2} = \frac{x}{5}$

2) $\frac{7}{3} = \frac{m}{5}$

3) $\frac{6}{x} = \frac{7}{6}$

4) $\frac{p}{6} = -\frac{8}{10}$

5) $\frac{8}{2k-7} = -\frac{10}{3k-11}$

6) $\frac{3x-2}{6} = \frac{x-2}{12}$

7) $\frac{3}{10} = \frac{x+12}{x-1}$

8) $\frac{v-4}{v+1} = -\frac{12}{10}$

9) $\frac{x-5}{9} = \frac{11}{2}$

10) $\frac{12}{4} = \frac{6}{a+5}$

11) $\frac{x}{8} = \frac{x-4}{7}$

12) $\frac{a-2}{a} = \frac{3}{7}$

Simplify the following ratios. Given your answers in the form a:b.

1. 35:42

2. 25:5

3. 35:21

4. 10:50

5. 80:20

6. 20:12

7. 20:55

8. 14:28:84

9. 6:24:8

10. 5:65:55