

Solving Ratios Part 2

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Name: _____

Solving Ratios With Proportions Part 2 Assignment

Solve the following equations.

1. $\frac{5}{x} = \frac{1}{6}$

2. $\frac{12}{3x} = \frac{-4}{3}$

3. $\frac{2x}{5} = \frac{12}{25}$

$$4. \frac{-2x}{7} = \frac{4}{21}$$

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

$$6. \frac{8}{3x} = \frac{-5}{2}$$

$$7. \frac{-8}{2x+1} = 6$$

$$8. \frac{2}{9x} = \frac{1}{4x-12}$$

$$9. \frac{3x+10}{5} = \frac{x}{10}$$

$$10. \frac{-4}{3} = \frac{8}{x+2}$$

$$11. \frac{9}{x+4} = \frac{3}{2}$$

$$12. \frac{5}{2x+2} = \frac{3}{x}$$

$$13. \frac{-6}{x+2} = \frac{1}{2}$$

$$14. \frac{5}{x+4} = \frac{1}{3}$$

$$15. \frac{-3}{2x+2} = \frac{6}{x}$$

$$16. \frac{2}{x-4} = \frac{8}{x}$$

$$17. \frac{6}{x-2} = \frac{-3}{2}$$

$$18. \frac{4}{2x-1} = \frac{1}{x}$$

Answers

1) $x = 30$

2) $x = -3$

3) $x = \frac{6}{5}$ or $1\frac{1}{5}$

4) $x = -\frac{2}{3}$

5) $x = \frac{25}{27}$

6) $x = -\frac{16}{15}$ or $-1\frac{1}{15}$

7) $x = -\frac{7}{6}$ or $-1\frac{1}{6}$

8) $x = -24$

9) $x = -4$

10) $x = -8$

11) $x = 2$

12) $x = -6$

13) $x = -14$

14) $x = 11$

15) $x = -\frac{4}{5}$

16) $x = \frac{16}{3}$ or $5\frac{1}{3}$

17) $x = -2$

18) $x = -\frac{1}{2}$