

NAME _____

DATE _____

Module 16 Solving Rational Equations
Lesson 1 Solving Rational Equations

**additional
practice**

Solve each rational equation. Disregard restricted values.

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|---------------------------------------------------------|---------------------------------------------------------|
| 1. $\frac{t}{6} = \frac{2}{3}$ _____ | 2. $\frac{r}{6} = \frac{3}{2}$ _____ |
| 3. $\frac{2}{q} = \frac{4}{12}$ _____ | 4. $\frac{5}{6} = \frac{10}{m}$ _____ |
| 5. $\frac{x}{12} = \frac{1}{4} + \frac{x}{6}$ _____ | 6. $\frac{2y}{5} = \frac{3}{5} + \frac{y}{2}$ _____ |
| 7. $\frac{6}{n} = \frac{3}{4} + \frac{6}{n}$ _____ | 8. $\frac{4}{5s} = \frac{2}{3}$ _____ |
| 9. $\frac{3}{7x} = \frac{1}{14}$ _____ | 10. $\frac{6}{2c} - \frac{2}{c} = \frac{1}{4}$ _____ |
| 11. $\frac{3}{a-4} = \frac{5}{a+2}$ _____ | 12. $\frac{4}{x-5} = \frac{3}{x+2}$ _____ |
| 13. $\frac{2}{x+4} = \frac{3}{x-1}$ _____ | 14. $\frac{-3}{k-6} = \frac{5}{k+2}$ _____ |
| 15. $\frac{3n}{n-4} + \frac{5}{n-4} = 2$ _____ | 16. $\frac{4y}{y+1} + 6 = \frac{3}{y+1}$ _____ |
| 17. $\frac{2a}{a-4} - \frac{6}{a-4} = 1$ _____ | 18. $\frac{3}{5-x} + 4 = \frac{7}{2}$ _____ |
| 19. $\frac{g}{g-1} + \frac{2}{3} = \frac{3}{g-1}$ _____ | 20. $\frac{r}{r+3} - \frac{3}{4} = \frac{2}{r+3}$ _____ |



