



3-5 Additional Practice

Solving Rational Equations

Solve each equation.

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

2. $\frac{1}{x-3} = 6$

3. $\frac{1}{x+2} = 5$

4. $\frac{1}{2x-3} = \frac{1}{5-2x}$

5. $2 - \frac{1}{x+3} = \frac{1}{x+3}$

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

7. $\frac{1}{x+3} + \frac{1}{x-3} = \frac{6}{x^2-9}$

8. $\frac{4}{x+2} = \frac{x^2}{x+2}$

9. $\frac{x^2}{x+10} = \frac{100}{x+10}$