

Rational - Basic

Solve the given equations. State their domain restrictions.

1. $\frac{5}{x-6} = 13$

2. $\frac{x+7}{x+5} = 15$

3. $\frac{3x^2-8}{1.25x^2+3} > 1.75$

4. $\frac{-9}{10x+1} < 20$

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

6. $\frac{-12}{5x+7} \leq 4$

7. $\frac{6}{3.2x^2-7} = 4$

8. $\frac{3x+1}{2.2x-8} > 6$

9. $\frac{8x+2}{x} = 5$

10. $\frac{10}{x-3} = \frac{8}{x+1}$

11. $\frac{5}{1.2x+8} > \frac{-3}{2.5x-7}$

12. $\frac{6}{-3x^2+5} = 1$

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