

Inequalities

Moderate

Rational

1. $\frac{2}{x-2} > 4$

2. $\frac{2}{3y} + \frac{5}{6y} > \frac{3}{4}$

3. $\frac{4}{x} - 3 > \frac{2}{x} - 7$

4. $\frac{x}{x-1} > 0$

5. $\frac{2x-8}{3x-6} < 0$

6. $\frac{x+1}{x-5} \leq 0$

7. $\frac{x-1}{x-8} > 3$

8. $x - \frac{15}{x} < -2$

9. $\frac{2x+5}{x-1} < 1$

10. $\frac{7x+4}{x+6} < 0$

Answers**Inequalities****Moderate****Rational**

1. $2 < x < \frac{5}{2}$

2. $0 < y < 2$

3. $x < -\frac{1}{2}$ or $x > 0$

4. $x < 0$ or $x > 1$

5. $2 < x < 4$

6. $-1 \leq x < 5$

7. $8 < x < \frac{23}{2}$

8. $x < -5$ or $0 < x < 3$

9. $-6 < x < 1$

10. $-6 < x < -\frac{4}{7}$