

8-5

Solving Rational Equations and Inequalities



Lesson Quiz

Solve each equation or inequality.

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

2. $\frac{6x}{x+4} = \frac{7x+4}{x+4}$

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

4. $\frac{4}{x-3} \geq 2$

5. A college basketball player has made 58 out of 82 attempted free-throws this season. How many additional free-throws must she make in a row to raise her free-throw percentage to 90%?

8-5 Solving Rational Equations and Inequalities

Lesson Quiz

Solve each equation or inequality.

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

2. $\frac{6x}{x+4} = \frac{7x+4}{x+4}$ **no solution**

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

4. $\frac{4}{x-3} \geq 2$ $3 < x \leq 5$

5. A college basketball player has made 58 out of 82 attempted free-throws this season. How many additional free-throws must she make in a row to raise her free-throw percentage to 90%? **158**