

Solving Rational Equations 1

Solve each equation. Remember to check for extraneous solutions.

1) $\frac{2}{x^2} + \frac{x+2}{x^2} = \frac{2}{x^2}$

2) $\frac{1}{x} + \frac{1}{x} = \frac{x+2}{x}$

3) $\frac{1}{x^2} + \frac{x+2}{x^2} = \frac{1}{x^2}$

4) $\frac{4}{x^2} + \frac{1}{x} = \frac{1}{x^2}$

5) $\frac{2x+22}{x^2} = \frac{1}{x} + \frac{x+2}{x^2}$

6) $\frac{1}{x^2} + \frac{2}{x} = \frac{x+2}{x^2}$

7) $\frac{x+2}{x} + \frac{x+2}{x} = 1$

8) $\frac{1}{x} + \frac{1}{x^2} = \frac{1}{x}$

9) $\frac{2x+22}{x^2} = \frac{1}{x} + \frac{2}{x}$

10) $\frac{1}{x} + \frac{x+2}{x^2} = \frac{1}{x}$