Solving Rational Equations Solve It- Clear, Factor, Cancel Handout

1. Solve
$$\frac{1}{x+10} = \frac{2}{x+4}$$
.

6. Solve
$$\frac{1}{x+4} + \frac{x}{x+5} = \frac{1}{x^2+9x+20}$$
.

2. Solve
$$\frac{1}{x+3} = \frac{x-1}{12}$$
.

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

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

8. Solve
$$\frac{7}{2x+2} = \frac{7}{x-3}$$
.

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

9. Solve
$$\frac{2}{(x+1)(x-2)} - 2 = \frac{2}{x-2}$$
.

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

10. Solve
$$\frac{x}{x+3} = \frac{x}{x^2-9}$$
.

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