

Rational Equations – Assignment

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- Solve the given equations. Remember to verify and check each proposed solution and clearly state whether the solution is valid or extraneous.

L1:

$$\frac{x+1}{x-5} = \frac{x-5}{x+6}$$

L2:

$$\frac{x+2}{x-1} + \frac{x+4}{x^2-1} = \frac{x+8}{x+1}$$

L3:

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

L4:

$$\frac{5}{x-4} = \frac{x+5}{x+1} + \frac{4}{x^2-3x-4}$$