

Rational Equations SLOT
Final Exam Study Guide

Solve the equation.

$$1) \frac{7x}{x-7} - \frac{4}{x} = \frac{28}{x^2-7x}$$

$$2) \frac{10}{x-2} = 1 + \frac{12}{x+2}$$

$$3) \frac{5-x}{x} + \frac{3}{4} = \frac{7}{x}$$

$$4) \frac{4}{x-5} + \frac{9}{x-8} = \frac{7}{x^2-13x+40}$$

$$5) \frac{2x}{x+2} + \frac{5}{x-5} = \frac{8}{x^2-3x-10}$$

$$6) \frac{1}{1-x} = 1 - \frac{x}{x-1}$$

$$7) x = \frac{4x-3}{x-1} + \frac{x}{1-x}$$

$$8) \frac{x+4}{x} + \frac{3}{x-4} = \frac{16}{4x-x^2}$$