

## Math 3 Guided Notes Unit 5 Day 3 -Rational Equations

### Solving Rational Equations

$$1. \frac{5}{2x-2} = \frac{15}{x^2-1}$$

$$2. \frac{-4}{5(x+2)} = \frac{3}{x+2}$$

$$3. \frac{1}{2x} - \frac{2}{5x} = \frac{1}{2}$$

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

$$5. \frac{5}{x^2 - 7x + 12} - \frac{2}{3 - x} = \frac{5}{x - 4}$$

$$6. \frac{3}{x + 5} + \frac{2}{5 - x} = \frac{-4}{x^2 - 25}$$