Rational Equation

a statement of equality using rational expressions.

$$\frac{polynomial}{polynomial} = \frac{polynomial}{polynomial}$$

Rational Expression
$$\left\{ \frac{3x+2}{4x+6} = \frac{x-4}{2} \right\}$$
Rational Expression

Rational Equation

Solving Rational Equations

$$\frac{3x+2}{4} = \frac{x+4}{2}$$

When solving a rational equation, cross multiply and solve.

Solving Rational Equations

$$\frac{9x + 4}{5} = \frac{2x - 1}{1}$$

When solving a rational equation, cross multiply and solve.

Solving Rational Equations

$$\frac{8}{x} + \frac{4}{2} = 4$$