

Adding and Subtracting Rational Expressions Review

Math III

Station L

$$\frac{7n^2 + 52n - 53}{3(n + 8)(n - 1)}$$

Simplify the expression. All work must be shown.

$$\frac{u - v}{8v} + \frac{6u - 3v}{8v}$$

Station Q

$$\frac{7u - 4v}{8v}$$

Simplify the expression. All work must be shown.

$$\frac{5}{a^2 + 3a + 2} + \frac{5a + 1}{a^2 + 3a + 2}$$

Station W

$$\frac{6 + 5a}{a^2 + 3a + 2}$$

Simplify the expression. All work must be shown.

$$\frac{6}{x - 1} - \frac{5x}{4}$$

Station E

$$\frac{24 - 5x^2 + 5x}{4(x - 1)}$$

Simplify the expression. All work must be shown.

$$\frac{3}{x + 7} + \frac{4}{x - 8}$$

Station R

$$\frac{7x + 4}{(x + 7)(x - 8)}$$

Simplify the expression. All work must be shown.

$$\frac{2x}{5x + 4} + \frac{6x}{2x + 3}$$

Station T

$$\frac{34x^2 + 30x}{(5x + 4)(2x + 3)}$$

Simplify the expression. All work must be shown.

$$\frac{y}{y - 1} + \frac{2}{y + 1}$$

Station Y

$$\frac{y^2 + 3y - 2}{(y + 1)(y - 1)}$$

Simplify the expression. All work must be shown.

$$\frac{2x}{3x + 5} - \frac{5}{x + 7}$$

Station U

$$\frac{2x^2 - x - 25}{(3x + 5)(x + 7)}$$

Simplify the expression. All work must be shown.

$$\frac{5}{n + 5} + \frac{4n}{2n + 6}$$

Station P

$$\frac{2n^2 + 15n + 15}{(n + 5)(n + 3)}$$

Simplify the expression. All work must be shown.

$$\frac{2}{3x^2 + 12x} + \frac{8}{2x}$$

Station F

$$\frac{12x + 50}{3x(x + 4)}$$

Simplify the expression. All work must be shown.

$$\frac{7n}{n + 1} + \frac{8}{n - 7}$$

Station V

$$\frac{7n^2 - 41n + 8}{(n + 1)(n - 7)}$$

Simplify the expression. All work must be shown.

$$\frac{3}{8} - \frac{3}{3x + 4}$$

Station X

$$\frac{9x - 12}{8(3x + 4)}$$

Simplify the expression. All work must be shown.

$$\frac{3}{x + 6} + \frac{7}{x - 2}$$

Station C

$$\frac{10x + 36}{(x + 6)(x - 2)}$$

Simplify the expression. All work must be shown.

$$\frac{5n + 5}{5(n + 8)(n - 1)} + \frac{7n}{3n}$$