

C11 - 6.4 - Adding Subtracting Rationals WS

Simplify

$$\frac{2}{5} + \frac{1}{5} =$$

$$\frac{1}{2} + \frac{1}{3} =$$

$$\frac{1}{3} + \frac{1}{6} =$$

$$\frac{1}{x} + \frac{2}{x} =$$

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

$$\frac{1}{2} + \frac{1}{2 \times 3} =$$

$$\frac{10x}{5} - \frac{3x}{5} =$$

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

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

$$\frac{1}{a} + \frac{1}{b} =$$

$$\frac{1}{a} + \frac{1}{ab} =$$

$$\frac{1}{ab} + \frac{1}{abc} =$$

$$\frac{1}{ab} + \frac{1}{ac} =$$

$$\frac{1}{a} + \frac{1}{a^2} =$$

$$\frac{1}{a^2} + \frac{1}{ab} =$$

$$\frac{1}{a} + \frac{1}{a + 2} =$$

$$\frac{1}{6x^2} + \frac{2}{3x} =$$

$$\frac{1}{6x} + \frac{2}{4x} =$$

$$\frac{x}{2} + \frac{1}{4x + 6} =$$

$$\frac{x}{3} + \frac{1}{3(x + 2)} =$$

$$\frac{x}{3} + \frac{1}{3x + 6} =$$

$$\frac{1}{2(x - 2)} - \frac{1}{2}$$

C11 - 6.4 - Adding Subtracting Rationals WS

Simplify

$$\frac{x}{x+1} + \frac{3}{x+1} =$$

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

$$\frac{4x}{x+1} + \frac{4}{x+1} =$$

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

$$\frac{1}{(x-3)(x+2)} - \frac{5}{x+2} =$$

$$\frac{x}{x-2} - \frac{3}{x} =$$

$$\frac{1}{x-2} - \frac{1}{2-x} =$$

$$\frac{2}{x} + \frac{5}{x+1} =$$

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

$$\frac{9}{x^2 - 9} - \frac{4}{x-3} =$$

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

$$\frac{x+3}{x^2 - x - 6} + \frac{3x+9}{x^2 - 4} =$$

C11 - 6.4 - Bedmas Complex Fractions Rationals WS

Simplify

$$\frac{x}{3} \div \frac{5}{2} =$$

$$\frac{\frac{x}{3}}{\frac{5}{2}} =$$

$$x \div \frac{2}{3} =$$

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

$$\frac{x}{2} \div 3 =$$

$$\frac{\frac{x}{3}}{3}$$

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

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

$$\frac{\frac{1}{x} + \frac{5}{x}}{\frac{1}{x} + \frac{2}{x}} =$$

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