

## Complex Fractions Homework

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Simplify.

$$1) \frac{\frac{2x-3}{x-2}}{\frac{4x-3}{x^2-4}}$$

$$2) \frac{\frac{3x-7}{4x+5}}{\frac{6x-1}{5x-6}}$$

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

$$4) \frac{\frac{2x-5}{x^2-9}}{\frac{3x-1}{x+3}}$$

$$5) \frac{\frac{3x-2}{x^2-4}}{\frac{5x+1}{x^2+x-6}}$$

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

$$7) \frac{\frac{6}{x}}{\frac{x^2}{2}}$$

$$8) \frac{\frac{2a+1}{a+5}}{\frac{2a+1}{a-4}}$$

$$9) \frac{\frac{12}{u+3}}{\frac{4}{u+3}}$$

$$10) \frac{\frac{1}{m}}{\frac{5}{m^2}}$$

$$11) \frac{\frac{36}{x-2}}{\frac{x-2}{x}}$$

$$12) \frac{\frac{x^2}{x-4}}{\frac{x-4}{x^2}}$$