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$$A = \frac{x}{x+2} - \frac{x}{x+3}$$
$$= \frac{x(x+3)}{(x+2)(x+3)} - \frac{x(x+2)}{(x+3)(x+2)}$$
$$= \frac{x^2+3x-x^2-2x}{(x+2)(x+3)}$$
$$= \frac{x}{(x+2)(x+3)}$$

$$B = \frac{x}{x+1} + \frac{2x-1}{x}$$
$$= \frac{x \times x}{(x+1) \times x} + \frac{(2x-1)(x+1)}{x(x+1)}$$
$$= \frac{x^2+2\,x^2+2x-x-1}{x(x+1)}$$
$$= \frac{3\,x^2+x-1}{x(x+1)}$$

$$C = \frac{x}{x-1} - x$$
$$= \frac{x}{(x-1)} - \frac{x(x-1)}{x-1}$$
$$= \frac{x-x^2+x}{x-1}$$
$$= \frac{-\,x^2+2\,x}{x-1}$$