

$$a) \frac{m}{x} - \frac{3m-5}{x}$$

$$\frac{m - (3m-5)}{x}$$

$$= \frac{m - 3m + 5}{x}$$

$$= \boxed{\frac{-2m+5}{x}}$$

NPV: $x \neq 0$

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

$$b) \frac{4a-5}{3a+b} + \frac{2a+3b}{3a+b} - \frac{1}{1}$$

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

$$= \frac{4a-5 + 2a+3b - (3a+b)}{3a+b}$$

$$= \boxed{\frac{3a+2b-5}{3a+b}}$$

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

$$\frac{6x+3}{12} - \frac{18x-6}{12} + \frac{4}{12}$$

$$\frac{6x+3 - (18x-6) + 4}{12}$$

NPV:

$$3a+b \neq 0$$

$$\boxed{b \neq -3a}$$

or $3a \neq -b$

$$\boxed{a \neq -\frac{b}{3}}$$

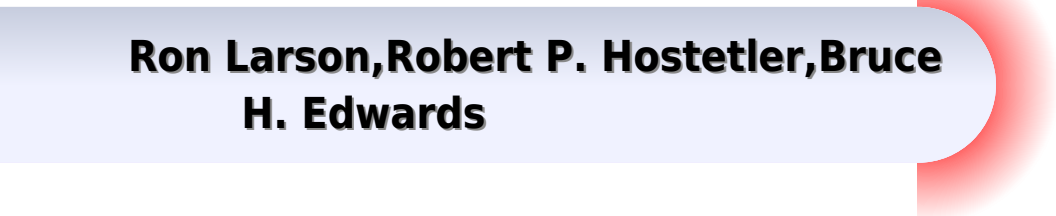
or

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

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

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