

$$(I1) \quad \frac{2x+3}{5x-1} \geq 2$$

$$(I2) \quad \frac{3}{x} < \frac{x}{5}$$

$$(I3) \quad (x-2)(x+1) - x > -2$$

$$(I4) \quad \frac{x^2+1}{x-1} < \frac{2x}{x-1}$$

$$(I5) \quad (x+1)(3-2x) \leq 4x^2-9$$

$$(I6) \quad \frac{x^2}{1-2x} > -1$$

$$(I7) \quad (x+2)^2 < 2(x^2-4)$$

$$(I8) \quad \frac{x^2+x+1}{2x-3} \leq \frac{1}{2}$$

$$(I9) \quad (x+3)(x-7) - (x-1)(x+2) > 0$$

$$(I10) \quad \frac{(x^2-2x+1)(x+1)}{(x-1)(x^2-1)} \geq 1$$

$$(I11) \quad \frac{1}{x+2} < \frac{1}{x^2-4}$$

$$(I12) \quad (3x+2)^2 \geq 2(3x+2)(x+1) - (x+1)^2$$

$$(I13) \quad \frac{x+2}{x-1} \geq -x$$

$$(I14) \quad x^2-3x+\frac{9}{4}$$

$$(I15) \quad \frac{2x+1}{2x-1} - \frac{2x-1}{2x+1} < \frac{2x+6}{4x^2-1}$$

$$(I16) \quad \frac{5x+4}{2x-3} + \frac{(8-x)(10x+8)}{(2x-3)^2} < 0$$

$$(I17) \quad \frac{1-2x}{16x^2-9} > \frac{1-2x}{4x+3}$$

$$(I18) \quad \frac{1-4x}{3x-2} - \frac{(2x+3)(1-4x)}{9x^2-4} > 0$$

$$(I19) \quad \frac{(4-3x)(9x^2-10x-3)}{2x-7} < 4-3x$$

$$(I20) \quad \frac{1}{x+1} - \frac{1}{x-1} < \frac{1}{x} - \frac{2}{x^2-1}$$

$$(I21) \quad 0 \leq \frac{2x-5}{x+3} \leq 1$$

$$(I22) \quad 0 \leq \frac{2x+3}{x-2} + \frac{(5+x)(2x+3)}{x^2-4} \leq 4$$