

(1) a) $2-3x > -8-8x$
c) $1-3(x-4) \geq 2(5-x)$

b) $7 > 11-(15+x)$
d) $\frac{7y+3}{2} - \frac{9y+3}{3} \geq \frac{2(7y+3)}{4}$

(2) a) $\frac{5x-13}{6} + \frac{9}{4}x < \frac{x-3}{4}$
c) $\frac{x-2}{3} + x > \frac{1}{2}$

b) $\frac{x-2}{3} + \frac{x+3}{2} > \frac{2x-1}{5}$
d) $\frac{2-x}{2} + \frac{x}{3} \leq \frac{x+2}{4}$

(3) a) $(x+4)(x-3) < 0$
c) $(x-1)(x+2)(x-5) \geq 0$

b) $x(x+1) \geq 0$
d) $(x-4)^2(x+3) > 0$

(4) a) $\frac{x}{x-2} > 0$
b) $\frac{5-x}{x+1^2} \leq 0$

a) $\frac{x-3}{x+4} < 0$
b) $0 < \frac{3x+9}{2x-4}$

(5) a) $\frac{4x+20}{x+6} > 3$
c) $\frac{1}{x} < \frac{1}{3}$

b) $\frac{3x-4}{x+1} \leq 2$
d) $\frac{x-1}{x+3} > \frac{x+3}{x-1}$