

Algebra 7 – Rational inequalities

Example 1:

Find the range of values of x for which:

$$\frac{4x-1}{x-3} \leq 2$$

Question 1

Find the range of values of x for which:

(i) $\frac{x-3}{x+4} \geq 2$

(ii) $\frac{3x+1}{x-1} \geq 2$

(iii) $\frac{2x-5}{x-3} \leq \frac{5}{2}$