

Solve: $x-1 / x+2 > 1$, $x+3 / x-1 > 2$.

Solution:

The first inequality

$$\frac{x-1}{x+2} > 1$$

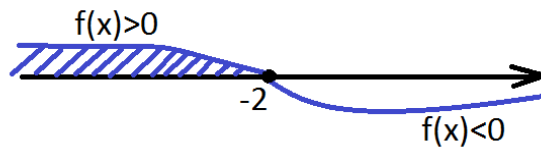
Portable 1 to the left and lead to a common denominator:

$$\frac{x-1}{x+2} - 1 > 0$$

$$\frac{x-1-x-2}{x+2} > 0$$

$$-\frac{3}{x+2} > 0$$

$$x \in (-\infty; -2)$$



The second inequality:

$$\frac{x+3}{x-1} > 2$$

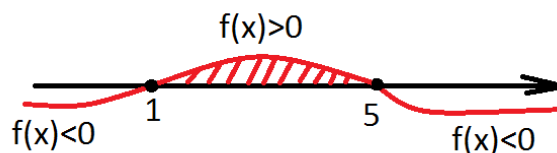
Portable 2 to the left and lead to a common denominator:

$$\frac{x+3}{x-1} - 2 > 0$$

$$\frac{x+3-2x+2}{x-1} > 0$$

$$-\frac{x-5}{x-1} > 0$$

$$x \in (1; 5)$$



Answer: 1. $x \in (-\infty; -2)$

2. $x \in (1; 5)$