a)

b)

$\frac{2x^2-5x-7}{x+2} \leq 0$

$$D = x \in \mathbb{R} : x + 2 \neq 0 = \mathbb{R} \setminus \{-2\}$$

$$2x^2 - 5x - 7 = (x + 1)(x - \frac{7}{2}) = 0 \iff x = -1 \vee x = \frac{7}{2}$$

x	$-\infty$	-2		-1		$\frac{7}{2}$	$+\infty$
$2x^2 - 5x - 7$	$+$	∄	$+$	0	$-$	0	$+$
$x + 2$	$-$	∄	$+$	$+$	$+$	$+$	$+$
$\frac{2x^2-5x-7}{x+2}$	$-$	∄	$+$	0	$-$	0	$+$
		Decrescente			Decrescente		