

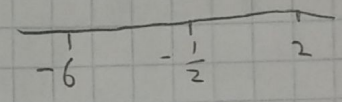
$$\frac{|x+6|}{|2x+1|} < \frac{|x^2+4x-12|}{|2x+1|}$$

1. Core

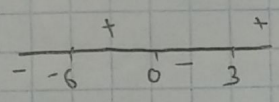
$$(|2x+1|-1) (|x^2+4x-12| - |x+6|) > 0$$

$$(|2x+1|-1) (|(x+6)(x-2)| - |x+6|) > 0$$

$$|x+6| (|2x+1|-1) (|x-2|-1) > 0$$



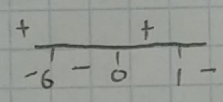
$$(x+6)(2x)(x-3) > 0$$



$$x > 3$$

$$: x \geq 2 \quad \text{128}$$

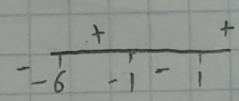
$$(x+6)(2x)(1-x) > 0$$



$$0 < x < 1$$

$$: -\frac{1}{2} \leq x < 2 \quad \text{128}$$

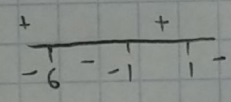
$$-(x+6)(2x+2)(1-x) > 0$$



$$-6 < x < -1$$

$$-6 \leq x < -\frac{1}{2} \quad \text{128}$$

$$(x+6)(2x+2)(1-x) > 0$$



$$x < -6$$

$$x < -6 \quad \text{128}$$

$$\left[x < -6, -6 < x < -1, 0 < x < 1, x > 3 \right]$$