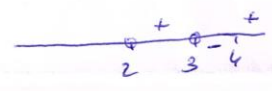


0.5
2

$$\frac{(x^2-x-2)(x^2-4x)}{(x^2+x-12)\sqrt{x-2}} \geq 0 \rightarrow \frac{(x+2)(x-1)x(x-4)}{(x+4)(x-3)\sqrt{x-2}} \geq 0$$

2 is a root of the denominator, $x > 2$ for the denominator to be defined (positive or negative)
: the denominator is positive for



$$2 < x < 3$$
$$4 \leq x$$