

## Funcies

1.  $\sqrt{-2x+12} \leq x-1$  op  $[-1, 6]$

$\rightarrow x \geq \sqrt{11} \quad \rightarrow 3,32 \leq x \leq 6$

2.  $\frac{-1}{\sqrt{-2x+12}} = -1 \quad \rightarrow -2x+12 = 1 \quad \rightarrow x = 5\frac{1}{2}$

$f(5\frac{1}{2}) = 1 \quad \rightarrow (5\frac{1}{2}; 1)$

3.  $\sqrt{-2a+12} - (a-1) = 2 \rightarrow a^2 + 4a - 11 = 0$

$\rightarrow a = -2 + \frac{1}{2}\sqrt{60} = 1,87$

Of met de GR:  $y_1 = \sqrt{-2x+12} - (x-1) \quad y_2 = 2$

Intersect  $x = 1,87 \rightarrow a = 1,87$