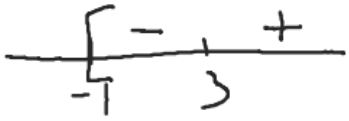
Solve the Inequality

A) $(x-3)\sqrt{x+1} \geq 0$

Zeros: $x = -1, 3$

Und $x < -1$

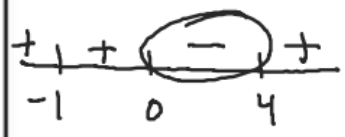


$f(0) = (-)(+)$

$f(4) = (+)(+)$

$[3, \infty)$

B) $\frac{x^3(x-4)}{(x+1)^2} < 0$



Zeros $x = 0, 4$

$x^3(x-4) = 0$

$x^3 = 0 \quad x - 4 = 0$

$x = 0 \quad x = 4$

Und $x + 1 = 0$

$x = -1$

$f(-2) = \frac{+}{+}$

$f(-\frac{1}{2}) = \frac{+}{+}$

$f(1) = \frac{-}{+}$

$f(5) = \frac{+}{+}$

$(0, 4)$