

|                                 |                               |      |     |                          |
|---------------------------------|-------------------------------|------|-----|--------------------------|
| $x$                             | $-\infty$                     | $-1$ | $1$ | $+\infty$                |
| $f'(x)$                         | $+$                           |      |     | $+$                      |
| $f(x) = \sqrt{\frac{x-1}{x+1}}$ | $1$<br>$\nearrow$<br>$\infty$ |      |     | $1$<br>$\nearrow$<br>$0$ |