5. $f(x) = (x-1)^{\frac{1}{5}}$

① $f'(x) = \frac{1}{5}(x-1)^{\frac{1}{5}-1} \cdot \frac{d}{dx}(x-1)$

$= \frac{1}{5}(x-1)^{-\frac{4}{5}}$

$= \frac{1}{5(x-1)^{4/5}}$

② $5(x-1)^{\frac{4}{5}} = 0$

$x - 1 = 0$

$x = 1$

$x = 1$

$-\infty$ ∞

TEST CASES

	$X = 0$	$X = 2$
PLUG INTO $f'(x)$	$\frac{1}{5(x-1)^{4/5}}$	$\frac{1}{5(x-1)^{4/5}}$
	$\frac{1}{5(0-1)^{4/5}}$	$\frac{1}{5(2-1)^{4/5}}$
	/	/

NO EXTREMA