strict!

Ex 2: Solve $(x^4-1)(2-5x)<0$

let $f(x)=(x^4-1)(2-5x)$

$f(x)=(x^2-1)(x^2+1)(2-5x)$

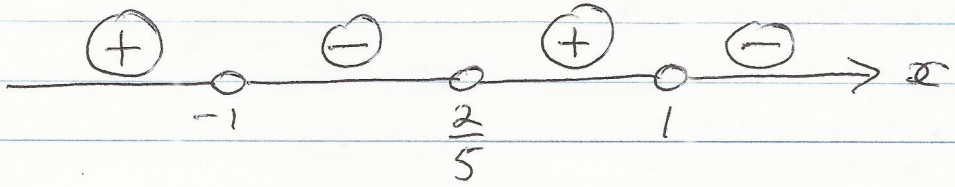
$f(x)=(x-1)(x+1)(x^2+1)(2-5x)$

set $f(x)=0$, $(x-1)(x+1)(x^2+1)(2-5x)=0$

$x-1=0$ or $x+1=0$ or $x^2+1=0$, $2-5x=0$

$x=1$ $x=-1$ $x=\pm i$ $x=\frac{2}{5}$

no real solutions.



$x\in\left(-1,\frac{2}{5}\right)\cup(1,+\infty)$

$-1<x<\frac{2}{5}$ or $x>1$