(1) Calculate $\frac{d^2}{dx^2} \sinh^2(x)$; Predict $\frac{d^n}{dx^n} \sinh^2(x)$

(2) Calculate $\frac{d}{dx} \frac{5\sinh(x) + 13\cosh(x)}{13\sinh(x) + 5\cosh(x)}$

(3) What is the global minimum of $\cosh(x) - x$?

(4) Find the local minimums and maximums of $x \sin(\ln x)$ where $x > 1$. 