

Quiz 5 Practice

Find $f'(x)$ for the following functions
(Note: I'm using $f(x)$ instead of $h(x)$, but you should still be able to use the rules)

1. $f(x) = x^3 e^x$

2. $f(x) = \frac{x^2 + 5}{2x - e^x}$

3. $f(x) = \ln(x^2 - 3x + 8)$

4. $f(x) = e^x (x^5 + 1)^6$