

It's homework. Each problem is worth 0 points... this time.

1. Find a polynomial approximation of at least 6th degree for

$$f(x) = \frac{1}{1+x^3}$$

2. Find a polynomial approximation of at least 5th degree for

$$f(x) = e^{2x}$$

3. Find a polynomial approximation of at least 6th degree for

$$f(x) = \sinh x$$

4. Find a polynomial approximation of at least 6th degree for

$$f(x) = \cosh x$$

5. Use a polynomial of degree 4 to approximate

$$\ln 0.9$$

6. Use a polynomial of degree 4 to approximate

$$\ln 1.1$$

7. Use a polynomial of degree 5 to approximate

$$\sin 0.2$$

8. Use a polynomial of degree 4 to approximate

$$\ln 3$$