Determine Maclaurin series for the function $f(x)$. Express the series using the sigma notation. Organize, show, and write your work clearly. Use correct syntax.

1. $f(x) = e^{3x}$
2. $f(x) = e^{-2x}$
3. $f(x) = \cos(2x)$
4. $f(x) = 2\sin(3x)$