## 7'. 1 Do Now

Suppose the Maclaurin series for some function $f(x)$ is given by

$$
1+2 x+\frac{3 x^{2}}{2}+\frac{4 x^{3}}{6}+\ldots+\frac{(n+1) x^{n}}{(n)!}+\ldots
$$

| Find $f^{\prime \prime}(0)$. | Let $q(x)=x f(x)$. Write the first four terms and the <br> general term for the Maclaurin series for $q(x)$. |
| :--- | :--- |

