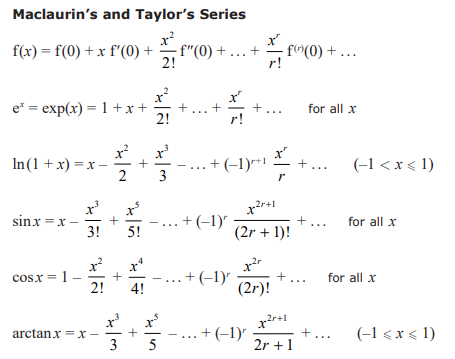
**2D Composite Maclaurin Series**

Formula Book Formulae:



1. Write down the first 4 non-zero terms in the series expansion of cos(2x2)
2. Find the first 4 non-zero terms in the series expansion of:
3. Given that terms in xn, n > 4 can be ignored, show, using the series expansions of ex and sinx, that: