

SECTION 6.1: POWER SERIES (DAY 1)

(1) A **power series centered at**  $x = 0$  has the form:

(2) A **power series centered at**  $x = a$  has the form:

(3) Convergence of a Power Series.

(4) Go back to the series the Section 5.6 worksheet,  $\sum_{k=1}^{\infty} \frac{x^k}{k^4}$  and determine the radius and interval of convergence.