

Power Series Practice

Write the given function as a Power Series and determine the Interval of Convergence.

1. $f(x) = \frac{3}{1-x}$

2. $g(x) = \frac{1}{1+2x}$

3. $h(x) = \frac{1}{2-6x}$

4. $p(x) = \frac{x}{x^2+1}$