Quiz #9

Please print your name:

Problem 1. (3 points) Write down the geometric series. When does it converge, and what does it converge to?

	=	provided that:
geometric series	what it converges to	condition for convergence

Problem 2. (2 points) Write down the p-series. When does it converge?

	provided that:
p-series	condition for convergence

Problem 3. (5 points) Determine the radius of convergence of the power series $\displaystyle\sum_{n=1}^{\infty} \frac{3^n}{n}(x-2)^n$.

Problem 4. (bonus!) What is the exact interval of convergence for the series above?