## Fake Quiz $2 \quad$ Calculus $2 \quad$ 4/27/2016

Each problem is worth 0 points. In the event of an actual quiz, you would have received warning.

1. Determine the interval and radius of convergence of the series $\sum_{n=1}^{\infty}(-1)^{n} \frac{x^{n}}{n^{2} 5^{n}}$.
I.o.C. $=[-5,5] \quad$ R.o.C. $=5$
2. Determine the interval and radius of convergence of the series $\sum_{n=1}^{\infty} \frac{(x+2)^{n}}{n 4^{n}}$.
I.o.C. $=[-6,2)$
R.o.C. $=4$
3. Determine the interval and radius of convergence of the series $\sum_{n=1}^{\infty} \frac{2^{n}(x-2)^{n}}{(n+2)!}$.
I.o.C. $=(-\infty,+\infty) \quad$ R.o.C. $=\infty$
4. Determine the interval and radius of convergence of the series $\sum_{n=1}^{\infty} \frac{2^{n}(x-3)^{n}}{\sqrt{n+3}}$.
I.o.C. $=[2.5,3.5) \quad$ R.o.C. $=1 / 2$
5. Determine the interval and radius of convergence of the series $\sum_{n=1}^{\infty} \frac{(-1)^{n} x^{n}}{(2 n+1)!}$.
I.o.C. $=(-\infty,+\infty) \quad$ R.o.C. $=\infty$
6. Determine the interval and radius of convergence of the series $\sum_{n=1}^{\infty}(-1)^{n} \frac{x^{n}}{n}$.
I.o.C. $=(-1,1] \quad$ R.o.C. $=1$
