

QUIZ 12 FOR CALC 4

Name: _____ RUID: _____

- (1) (3 pt) Find the radius of convergence and interval of convergence of the series

$$\sum_{n=1}^{\infty} \frac{n(x+4)^n}{4^{n+1}}.$$

- (2) (3 pt) Find the radius of convergence and interval of convergence of the series

$$\sum_{n=1}^{\infty} \frac{(x-2)^n}{\sqrt{n}3^{n+1}}.$$

- (3) (2 pt for free) Happy Thanksgiving!