WebAssign
Hw 26 (11.8): Power Series (Homework)

Yinglai Wang
MA 162 Spring 2012, section 321, Spring 2012
Instructor: Jonathan Montano

Current Score : 20 / 20 **Due :** Tuesday, March 27 2012 11:55 PM EDT

---

1. 2.5/2.5 points | Previous Answers SCalcET7 11.8.003.

Find the radius of convergence, R, of the series.

$$\sum_{n=1}^{\infty} 4(-1)^n n x^n$$

$R =$ ✓

Find the interval, I, of convergence of the series. (Enter your answer using interval notation.)

$I =$ ✓

Need Help? Read It Chat About It

---

2. 2.5/2.5 points | Previous Answers SCalcET7 11.8.005.

Find the radius of convergence, R, of the series.

$$\sum_{n=1}^{\infty} \frac{x^n}{2n-1}$$

$R =$ ✓

Find the interval, I, of convergence of the series. (Enter your answer using interval notation.)

$I =$ ✓

Need Help? Read It Chat About It

---

3. 2.5/2.5 points | Previous Answers SCalcET7 11.8.007.MI.

Find the radius of convergence, R, of the series.

$$\sum_{n=0}^{\infty} \frac{x^{n+1}}{5n!}$$

$R =$ ✓

Find the interval, I, of convergence of the series. (Enter your answer using interval notation.)

$I =$ ✓

Need Help? Read It Master It Chat About It

---

4. 2.5/2.5 points | Previous Answers SCalcET7 11.8.009.

Find the radius of convergence, R, of the series.

$$\sum_{n=1}^{\infty} (-1)^n \frac{n^5 x^n}{7^n}$$

$R =$ ✓

Find the interval, I, of convergence of the series. (Enter your answer using interval notation.)

$I =$ ✓

Need Help? Read It Chat About It

---

5. 2.5/2.5 points | Previous Answers SCalcET7 11.8.010.

Find the radius of convergence, R, of the series.

$$\sum_{n=1}^{\infty} \frac{7^n x^n}{n^2}$$

$R =$ ✓

Find the interval, I, of convergence of the series. (Enter your answer using interval notation.)

$I =$ ✓

Need Help? Read It Chat About It

---

6. 2.5/2.5 points | Previous Answers SCalcET7 11.8.011.

Find the radius of convergence, R, of the series.

$$\sum_{n=1}^{\infty} \frac{(-4)^n}{n\sqrt{n}} x^n$$

$R =$ ✓

Find the interval, I, of convergence of the series. (Enter your answer using interval notation.)

$I =$ ✓

Need Help? Read It Chat About It

7. 2.5/2.5 points | Previous Answers SCalcET7 11.8.016.

Find the radius of convergence, R, of the series.

$$\sum_{n=0}^{\infty} (-1)^n \frac{(x-3)^n}{4n+1}$$

$R =$ ✔

Find the interval, I, of convergence of the series. (Enter your answer using interval notation.)

$I =$ ✔

Need Help? Read It Chat About It

8. 2.5/2.5 points | Previous Answers SCalcET7 11.8.019.

Find the radius of convergence, R, of the series.

$$\sum_{n=1}^{\infty} \frac{(x-7)^n}{n^n}$$

$R =$ ✔

Find the interval, I, of convergence of the series. (Enter your answer using interval notation.)

$I =$ ✔

Need Help? Read It Watch It Chat About It