## Web**Assign**

Hw 25 (11.6, 11.7): Abs. Conv. & General Strategy (Homework)

Yinglai Wang

MA 162 Spring 2012, section 321, Spring 2012

Instructor: Jonathan Montano

-----

1. 1.81/1.81 points | Previous Answers

Current Score: 20 / 20

SCalcET7 11.6.023.

Determine whether the series is absolutely convergent, conditionally convergent, or divergent.

Due: Tuesday, March 27 2012 11:55 PM EDT

$$\sum_{n=4}^{\infty} \frac{2}{n} \left(1 + \frac{1}{n}\right)^{n^2}$$

- absolutely convergent
- onditionally convergent
- divergent





Read It

Watch It

Chat About It

2. 1.81/1.81 points | Previous Answers

SCalcET7 11.7.001.

Test the series for convergence or divergence.

$$\sum_{n=1}^{\infty} \frac{1}{n + 9^n}$$

- convergent
- divergent

Read It

Watch It

Chat About It

3. 1.81/1.81 points | Previous Answers

SCalcET7 11.7.002.

Test the series for convergence or divergence.

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

- convergent
- divergent

Need Help? Read It Chat About It

4. 1.81/1.81 points | Previous Answers

SCalcET7 11.7.003.

Test the series for convergence or divergence.

$$\sum_{n=1}^{\infty} (-1)^n \frac{8n}{n+5}$$

- convergent
- divergent

Need Help? Read It Watch It Chat About It

**5.** 1.81/1.81 points | Previous Answers

SCalcET7 11.7.005.

Test the series for convergence or divergence.

$$\sum_{n=1}^{\infty} \frac{n^2 5^{n-1}}{(-7)^n}$$

- convergent
- divergent

Need Help? Read It Chat About It

**6.** 1.81/1.81 points | Previous Answers

SCalcET7 11.7.006.

Test the series for convergence or divergence.

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

- convergent
- divergent

Need Help? Read It Chat About It

7. 1.81/1.81 points | Previous Answers

SCalcET7 11.7.007.

Test the series for convergence or divergence.

$$\sum_{n=6}^{\infty} \frac{1}{n\sqrt{\ln 4n}}$$
convergent
divergent

Need Help?

Read It

Watch It

Chat About It

8. 1.81/1.81 points | Previous Answers

SCalcET7 11.7.008.

Test the series for convergence or divergence.

$$\sum_{k=1}^{\infty} \frac{3^k k!}{(k+2)!}$$
convergent
divergent

Need Help? Read It

Chat About It

9. 1.81/1.81 points | Previous Answers

SCalcET7 11.7.009.

Test the series for convergence or divergence.

$$\sum_{k=1}^{\infty} k^3 e^{-3k}$$
• convergent
• divergent

Need Help? Read It Watch It Chat About It

**10.**1.81/1.81 points | Previous Answers

SCalcET7 11.7.023.

Test the series for convergence or divergence.

$$\sum_{n=1}^{\infty} \tan\left(\frac{4}{n}\right)$$
convergent
divergent

Need Help?

Read It

Watch It

Chat About It

**11.**1.9/1.9 points | Previous Answers

SCalcET7 11.7.025.

Test the series for convergence or divergence.

$$\sum_{n=1}^{\infty} \frac{3n!}{e^{n^2}}$$
• convergent
• divergent

Need Help?

Read It

Chat About It