## TEST #3 KEUIEW:

TELL WHETHER THE FOLLOWENG SERIES CONVERGES, FIND

TTS SUM.

##. 
$$\sum_{n=0}^{\infty} \frac{(-1)^n 3^n}{2^{n-1}}$$

DETERMENE WHETHER THE FOLLOWENG SERZES
CONVERGE OR DEVERGE

USE A COMPARISON TEST OR LIMIT COMPARISON TEST

#9 
$$Z Cos^2 N$$
 $N = 1$ 
 $N = 1$ 

SHOW CONVERLENCE / DIVERLENCE BY A.S.T. 1=0 N1+1 1=1 202-1 SHOW CONVERGENCE, ABSOLUTE CONVERGENCE, CONDITIONAL CONVERGENCE OF DEVERGENCE  $#16. \ge Cos(1+1)$  N=1 N=1 N=1#17 1-5 1-5 1-1FIND RADIUS AND INTERNAL OF CONVERGENCE #20.  $\sum_{n=0}^{\infty} \frac{(-1)(3x+2)}{(2n)!}$  $#19. \sum_{\Lambda=0}^{\infty} (-1)^{\Lambda} (X)^{\Lambda}$ #21: \(\S\tau-1\)
\(\lambda = 1 \)
\(\lambda = 1 \)
\(\lambda \tau-1) FIND A TAYLOR SERZES REPRESENTATION AND INTERVAL OF CONVERGENCE #24.  $f(x) = e^{\lambda x}, c = -1$ 

FIND TAYLOR POLYNOMEAL AND MAX. ERROR
#25. for= 1/x, C=1, 1=5 on [0.9,1.1]
20. T(x) - /x , \(\begin{array}{cccccccccccccccccccccccccccccccccccc

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