

Homework 13 Final Answers

Section 11.3

7. Diverges [explain why?]

17. Converges [explain why?]

22. Converges [explain why?]

23. Converges [explain why?]

34. a. $\frac{\pi^2}{6} - 1$ = $\frac{\pi^2 - 6}{6}$

b. $\frac{\pi^2}{6} - \frac{49}{36}$ = $\frac{6\pi^2 - 49}{36}$

c. $\frac{\pi^2}{24}$

show all Integrals. Show all preconditions checked for I.T.

Section 11.4

3. Converges [explain why?]

5. Diverges [explain why?]

7. Converges [explain why?]

18. Diverges [explain why?]

19. Converges [explain why?]

show all Details for CT

Show all Details for LCT