

Hints for 10.5 and 10.6

1. Convergent. (Intuition: exponential grows much faster than polynomial).
Using either the ratio or root test.
2. Convergent. Use the root test.
3. Convergent. Use the ratio test.
4. Conditionally convergent. Use the alternating series test.
5. Absolutely convergent. Use the ratio test.
6. Yes, we can use the rearrangement theorem.