Guidelines For Testing a Series for Convergence or Divergence

1. Does the nth term approach 0? If not, the series diverges.

2. Is the series one of the special types—geometric, p-series, telescoping, or alternating?

3. Can the Integral Test, the Root Test, or the Ratio Test be applied?

4. Can the series be compared favorably to one of the special types?