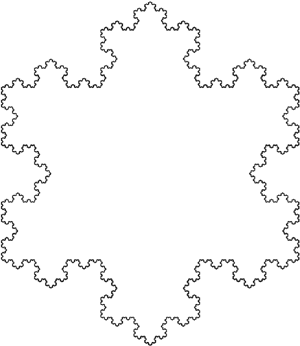
**Calculus II – MTH 182 – Part 2**

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| **Integral Test** |  | If integral diverges, summation diverges  If integral converges, summation converges |
| **Comparison Test** |  | If converges, converges  If diverges, diverges |
| **Limit Comparison Test** |  | If ,converges iff converges  If andconverges, converges  If andconverges, converges |
| **Divergence Test** |  | If , diverges |
| **Ratio Test** |  | If , converges absolutely  If , diverges  If , inconclusive |
| **Root Test** |  | If , converges absolutely  If , diverges  If , inconclusive |
| **p-series** |  | If , converges  If , diverges |
| **Absolute Convergence** |  | If converges, then converges absolutely |
| **Conditional Convergence** |  | If converges, but diverges, then converges conditionally |
| **Leibniz Test** |  | and |
| **Geometric Series** |  | If the series converges to  otherwise it diverges. |