Sequences	Series	Integral Test	Comparison & Alternating Series Test	Random
100 List the first 4 terms starting at n=0: $4n/n^2-7$	**100** Find the first TWO terms; n=1 $\Sigma\ n2^n$	**100** Determine if the series converges or diverges $\Sigma_{n=1}\ 1\ /\ 3\sqrt{n^5}$	**100** $\Sigma_{n=4}\ (n^2)/(n^3-3)$	**100** What is the name of the camp in Friday the 13th?
200 Determine the rule for the sequence: {4, -12, 36, -108, 324,...}	**200** Determine if converges or diverges: $S_n=(5+8n^2)/(2-7n^2)$	**200** Determine if the series conv or div: $\Sigma_{n=1}\ ne^{-n\wedge 2}$	**200** $\Sigma_{n=2}\ (n-1)/n(n+1)$	**200** How many people were Ghostface in the first Scream movie?
300 Determine the rule for the sequence: {2, 11, 20, 29, 38,...}	**300** Determine if the series converges or diverges: $S_n=(n^2)/(5+2n)$	**300** Determine if the series converges or diverges: $\Sigma_{n=2}\ 1/(2n+7)^3$	**300** Use alternating series test: $\Sigma_{n=1}\ (-1)^{n-1}/7+2n$	**300** Which two horror movie franchises were first video game series?
400 Determine if the sequence converges or diverges. $\lim (3n^2-1)\ /\ (5n^2+4n)$ (as n goes to infinity)	**400** Determine if series converges or diverges: $\Sigma\ 3^{2+n}2^{1-3n}$	**400** Determine if the series converges or diverges: $\Sigma_{n=2}\ 1/n*\ln(n)$	**400** $\Sigma_{n=0}\ (-1)^{n+3}/n^3+4n+1$	**400** Who directed the horror movies Get Out, Us, and N.O.P.E?
500 Determine if the sequence converges or diverges: $\cos(n*pi)$	**500** Determine if the series converges or diverges: $\Sigma\ (3)/(n^2+7n+12)$	**500** Determine if the series converges or diverges: $\Sigma_{n=0}\ 2/3+5n$	**500** $\Sigma_{n=0}\ (-1)^{n+6}n/n^2+9$	**500** What is the highest-grossing horror movie of all time?