Determine if the series converges or diverges. $\sum_{n=4}^{\infty} \frac{2^n \sin^2(5n)}{4^n + \cos^2(n)}$ H	Determine if the series converges or diverges. $\sum_{n=3}^{\infty} \left(\frac{3n+1}{4-2n}\right)^{2n}$ M	Determine if the series converges or diverges. $\sum_{n=3}^{\infty} \frac{3^{4n}}{(n-2)!}$ K	Determine if the series converges or diverges. $\sum_{n=2}^{\infty} \frac{(-2)^{1+3n}(n+1)}{n^2 5^{1+n}}$ J	Determine if the series converges or diverges. $\sum_{n=4}^{\infty} \frac{n^2}{n^3 - 3}$ F
Geometric series, converges to: $\frac{144}{5}$ ★	Harmonic Series, Diverges! ⊙	Converges! Value is: $\frac{3}{4}$ ■	Geometric series, converges to: $\frac{1225}{2}$ ❖	Geometric series, converges to: $\frac{875}{2}$ ∞
Determine if the series converges or diverges. If it converges, give its value. $\sum_{n=2}^{\infty} \frac{5^{n+1}}{7^{n-2}}$ E	Determine if the series converges or diverges. $\sum_{n=1}^{\infty} \frac{4n^2 - n}{n^3 + 9}$ I	Determine if the series converges or diverges. If it converges, give its value. $\sum_{n=0}^{\infty} 3^{2+n}\, 2^{1-3n}$ A	Determine if the series converges or diverges. $\sum_{n=2}^{\infty} \frac{n-1}{\sqrt{n^6+1}}$ G	Determine if the series converges or diverges. If it converges, give its value. $\sum_{n=1}^{\infty} \frac{5^{n+1}}{7^{n-2}}$ D
Diverges! ✚	Converges! ✪	Converges! ◆	Diverges! ⌘	Diverges! ✔
Determine if the series converges or diverges. If it converges, give its value. $\sum_{n=1}^{\infty} \frac{3}{n^2 + 7n + 12}$ C	Determine if the series converges or diverges. If it converges, give its value. $\sum_{n=1}^{\infty} \frac{5}{8n}$ B	Determine if the series converges or diverges. $\sum_{n=4}^{\infty} \frac{(-5)^{1+2n}}{2^{5n-3}}$ L	Determine if the series converges or diverges. $\sum_{n=0}^{\infty} \frac{n^2}{n^3 + 1}$ O	Determine if the series converges or diverges. $\sum_{n=0}^{\infty} \frac{1}{(-1)^n(2^n + 3^n)}$ N
Converges! ♬	Converges! ⇧	Diverges! §	Converges! 	Divergent! 🡻