Calculus II - Monday, August 25, 2014 - Mr. Clontz - Quiz 02 Fill in the circle for the correct answer for each of the following problems.

Nan	ne: 9an	n / 10am
1.	(10 points) Determine whether or not the series $\sum_{i=1}^{\infty} a_i$ converges or diverges, n^{th} partial sum $s_n = a_1 + a_2 + \dots + a_n = \frac{n+3n^3}{n^3+4}$. If it converges, what is its n . The series converges to 1.	given its value?
	The series converges to 3.	
	\bigcirc The series converges to $\frac{1}{4}$.	
	The series diverges.	
	○ None of the above.	
	(10 points) Determine whether or not the series $\sum_{n=1}^{\infty} \frac{3^n}{2^{2n}}$ converges or diverg converges, what is its value? One has a converge to $\frac{3}{2}$. The series converges to $\frac{3}{2}$. The series converges to $\frac{3}{4}$.	es. If it
	The series diverges.	

 \bigcirc None of the above.