WRITE YOUR NAME:

MAC 2312 WRITTEN HOMEWORK #10
Due Tuesday March 26th, in Canvas

Question 1. Determine whether the series converges or diverges.

$$\sum_{n=1}^{\infty} \frac{7n^2 - n - 2}{4n^4 - 3n + 1}$$

Question 2. Determine whether the series converges or diverges.

$$\sum_{n=0}^{\infty} \frac{(-7)^n}{n!}$$

Question 3. Determine whether the series converges or diverges.

$$\sum_{n=1}^{\infty} \frac{(-n)^3}{3n^3 + 2}$$

Question 4. Determine whether the series converges or diverges.

$$\sum_{n=0}^{\infty} \frac{3^{n+4}}{4^{n-2}}$$