

QUIZ 9

Name _____

1. Does $\sum_{n=1}^{\infty} \frac{(-1)^n n^2}{2^n}$ converge or diverge? Why?

2. Does $\sum_{n=1}^{\infty} \frac{n(n+1)}{\sqrt{n^3+2n^2}}$ converge or diverge? Why?

3. Does $\sum_{n=1}^{\infty} \frac{(n-1)!}{n^2}$ converge or diverge? Why?