

Name: \_\_\_\_\_

**Choose D for “None of these”**

37. Does  $\sum_{m=0}^{\infty} \frac{2m}{(m^2 + 1)^2}$  converge or diverge?

A. It converges.

B. It diverges.

C. It both converges and diverges.

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

A. It converges.

B. It diverges.

C. It neither converges nor diverges.