

Name: _____

Choose D for “None of these”

39. Does $\sum_{n=1}^{\infty} \frac{(n-1)!}{10^n}$ converge or diverge?

- A. It converges.
- B. It diverges.
- C. It explodes.

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

- A. It converges.
- B. It diverges.
- C. It converges some of the time, and diverges the rest of the time.

41. Does $\sum_{m=2}^{\infty} \frac{1}{m^2}$ converge or diverge?

- A. It converges.
- B. It diverges.
- C. It is impossible to determine.