

Classroom Voting Questions: Calculus II

Section 9.1 Sequences

1. The sequence $s_n = \frac{5n + 1}{n}$
 - (a) Converges, and the limit is 1
 - (b) Converges, and the limit is 5
 - (c) Converges, and the limit is 6
 - (d) Diverges

2. The sequence $s_n = (-1)^n$
 - (a) Converges, and the limit is 1
 - (b) Converges, and the limit is -1
 - (c) Converges, and the limit is 0
 - (d) Diverges

3. The sequence $2, 2.1, 2.11, 2.111, 2.1111, \dots$
 - (a) Converges
 - (b) Diverges

4. A sequence that is not bounded
 - (a) Must converge
 - (b) Might converge
 - (c) Must diverge