

# 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