Sequences:

(a) $s_n = n!(-1)^n$ increasing / decreasing / not monotonic AND not bounded / bounded

(b) $s_n = \dfrac{n}{2n^2+1}$ increasing / decreasing / not monotonic AND not bounded / bounded

(c) $s_n = \dfrac{(-1)^n}{3^n}$ increasing / decreasing / not monotonic AND not bounded / bounded

(d) $s_n = \dfrac{n-1}{n}$ increasing / decreasing / not monotonic AND not bounded / bounded