

**Homework 15**  
**Calculus II**

**Due April 7, 2026**  
**Prof. Nollet**

Section 9.2 #16, 19, 20, 21, 32, 33, 40, 46, 53, 60, 63, 68, 71, 74

Hints:

#16, 19, 20, 21.  $r = -3, 2/e, -1/3, 10/9$ .

#40, 46. Both telescope, find partial sums  $s_n$ .

#53 Geometric

#60  $n$ th term test.

#63 difference of two geometric series

#68  $n$ th terms test. Divide everything by  $4^n$ .

#71. Geometric,  $r = e/\pi$ .

#74. Telescopes.