

Math 172 - Assignment

November 6, 2017

We will not meet for class on November 8 and November 13. Normal class periods will resume on November 15. In lieu of class, please complete the following work **before November 15.**

1. Complete the take-home quiz on Sections 8.3 & 8.4.
2. Practice work from Section 8.5.
3. L'Hôpital's Rule
 - (a) Watch at least 2 hours of video. My suggestions are:
 - L'Hospital's Rule Lesson with 8 Examples (≈ 49 min)
<https://www.youtube.com/watch?v=z1DQQE8iC9k>
 - Lec 35 — MIT 18.01 Single Variable Calculus, Fall 2007 (≈ 49 min)
<https://www.youtube.com/watch?v=PNTnmH6jsRI>
 - What is L'Hospital's rule? (≈ 13 min)
<https://www.youtube.com/watch?v=uhxGH70hrIM>
 - (b) Work homework problems: Section 8.7 #'s 5-37(odd), 43, 47, 49, 53, 59, 79, 81, 83, 84
4. Improper Integrals
 - (a) Watch at least 2 hours of video. My suggestions are:
 - Improper Integrals 5 Examples (≈ 41 min)
<https://www.youtube.com/watch?v=dz0xbMnaZLo>
 - Calculus 2 Lecture 7.6: Improper Integrals (≈ 2 hr 48 min)
<https://www.youtube.com/watch?v=g-M8FHslgdk>
 - Lec 36 — MIT 18.01 Single Variable Calculus, Fall 2007 (≈ 50 min)
https://www.youtube.com/watch?v=KhwQKE_tld0
 - (b) Work homework problems: Section 8.8 #'s 1-15(odd), 17, 21, 25, 27, 31, 37, 41, 49, 71, 89, 90