

# Math 131 - Worksheet

Fall 2021 - Week 3

Please think about these problems before we meet for Wednesday's class. Do not turn them in, but be prepared to discuss them.

---

1. Describe in your own words what it means for a function to be continuous at a point.
2. What does the formal definition of continuity say about what it means for the function  $f$  to be continuous at  $x = c$ ?
3. Describe the types of discontinuities (with examples).
4. What does it mean for a function to have an infinite limit at a point?
5. How do you evaluate infinite limits?
6. What is a vertical asymptote, and how do we find them?