Types of discontinuities (pg. 65):
- Removable discontinuity:

- Jump discontinuity:

- Vertical asymptote:

Continuity at \( x = a \) (pg. 68):

Continuity of simple functions (pg. 66 - 67):

Continuity of compound functions (pg. 70):
Implications of continuity:

Existence of zeros/roots (pg. 73):

Using the Sign Chart Method to solve inequalities (pg. 73 - 74):

Intermediate Value Theorem (pg. 74):