**Colorado Technical University**

**Course:** MATH205 – Differential Calculus

#### Unit 5 Part 10 Readings – Implicit Differentiation

**Implicit differentiation:** when it is hard to write *y* in terms of *x*, differentiate everything in its

given order - remember to use chain rule for the "y"s

**Continuous Functions**

A continuous function does not have any abrupt changes in value, known as

discontinuities

Sufficiently small changes in the input of a continuous function result in arbitrarily small

changes in its output

If not continuous, a function is said to be discontinuous.

**Diagram

Description automatically generated**

**Diagram

Description automatically generated**