

MEMORIAL UNIVERSITY OF NEWFOUNDLAND

DEPARTMENT OF MATHEMATICS AND STATISTICS

SECTION 2.1

Math 2000 Worksheet

FALL 2018

For practice only. Not to be submitted.

1. Find and describe the domain of each of the following functions.

(a) $f(x, y) = \sqrt{x + y}$

(b) $f(x, y) = \sqrt{x} + \sqrt{y}$

(c) $f(x, y) = \frac{2x - 5y - 1}{xy - 3}$

(d) $f(x, y) = \sqrt{16 - x^2 - y^2} + \ln(x^2 + y^2 - 1)$