Calculus I for Life & Social Sciences (MATH 135)

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1 Algebra Review

1.1 Properties of Arithmetic

In this calculus course, it is important to be comfortable with the foundations of the mathematics we will be using. Much of this will be familiar to you, but it is valuable nonetheless to remind ourselves of the operations of arithmetic we will encounter.

> **Definition 1.1.** The *real numbers* (denoted $\mathbb{R}$),

> **Definition 1.2.** Given two real numbers a and b