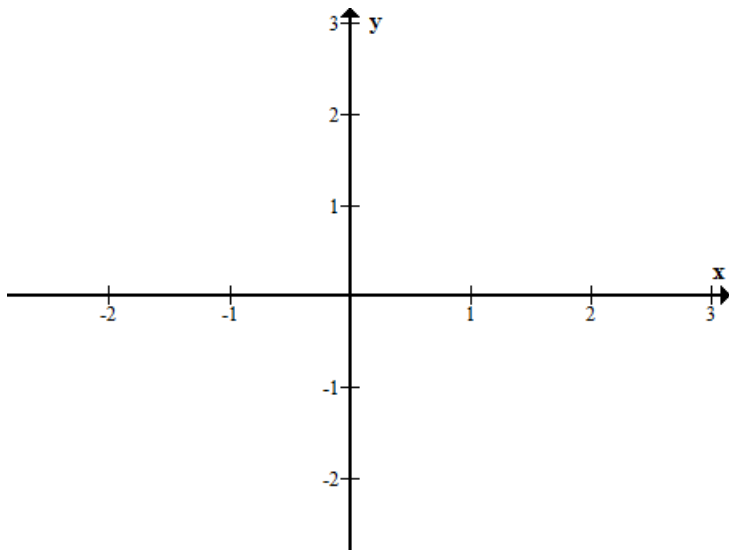


MATH 210 FINITE MATHEMATICS

BRIAN VEITCH • FALL 2016 • NORTHERN ILLINOIS UNIVERSITY

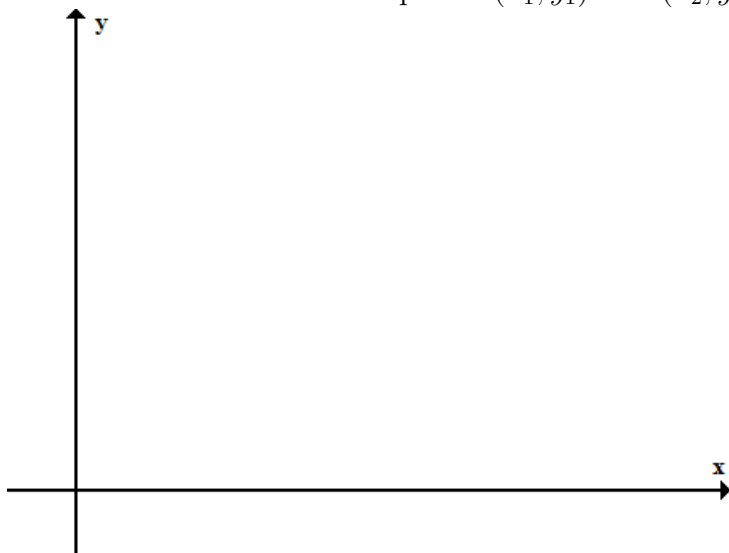
1.1 The Cartesian Coordinate System

Definition 1: Cartesian Coordinate System



Definition 2: Distance Formula

The distance d between two points (x_1, y_1) and (x_2, y_2) is



Example 1

Find the distance between points $(-4, 3)$ and $(2, 6)$.

Definition 3: Triangles

A triangle is a right triangle if $a^2 + b^2 = c^2$