

1 MAT 171 (Illenye) - Notes

Book - *Algebra and Trigonometry*, 6th edition, Robert Blitzer

1.1 Graphs and Utilities

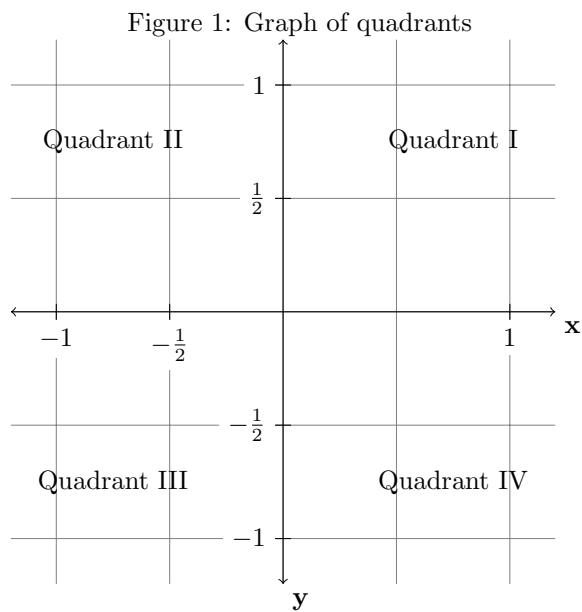
1.1.1 Definitions

origin - The point where the x-axis intersects the y-axis.

y-axis - The y-axis is known as the vertical number that passes through the origin.

x-axis - The x-axis is the horizontal number line.

quadrant - The axes divide the plane into 4 quarters, Each of these quarters are known as quadrants as seen below in Figure 1.



ordered pair - are numbers that exist in the real numbers that take on the form (x,y). See Figure 2 for an example.

Figure 2: Graph of an Ordered Pair

