



Figure 1: A diagram illustrating the relationship between the variables x and y . The horizontal axis is labeled x and the vertical axis is labeled y . The origin is marked with 0 . A line segment connects the point $(0, 1)$ on the y -axis to the point $(1, 0)$ on the x -axis. This line segment is labeled AB . The area under this line segment, bounded by the x -axis and the y -axis, is shaded in light blue. The area under the x -axis, bounded by the y -axis and the line segment AB , is shaded in light green. The area under the y -axis, bounded by the x -axis and the line segment AB , is shaded in light red. The area under the line segment AB , bounded by the x -axis and the y -axis, is shaded in light yellow.