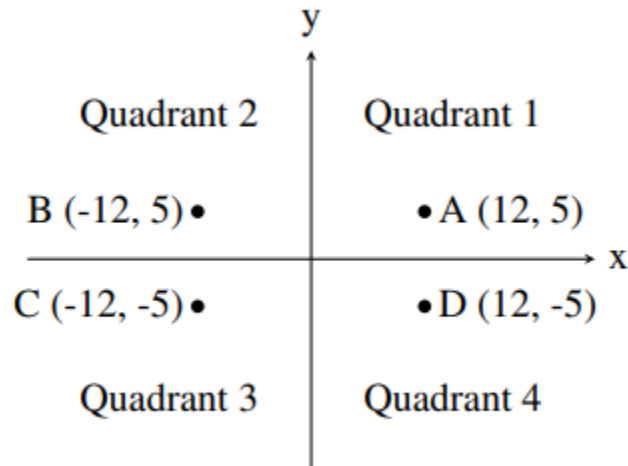


Quadrant Selection

A common problem in mathematics is to determine which quadrant a given point lies in. There are four quadrants, numbered from 1 to 4, as shown in the diagram below:



For example, the point A, which is at coordinates (12, 5) lies in quadrant 1 since both its x and y values are positive, and point B lies in quadrant 2 since its x value is negative and its y value is positive.

Your job is to take a point and determine the quadrant it is in.

You may assume that neither of the two coordinates will be 0.

Sample 1 X? 12 Y? 5 (12, 5) is in Quadrant 1	Sample 2 X? 9 Y? -13 (9, -13) is in Quadrant 4
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