

Problem 6

Sketch the region in the plane defined by each of the following equations.

(a) $\lceil x \rceil^2 + \lceil y \rceil^2 = 1$

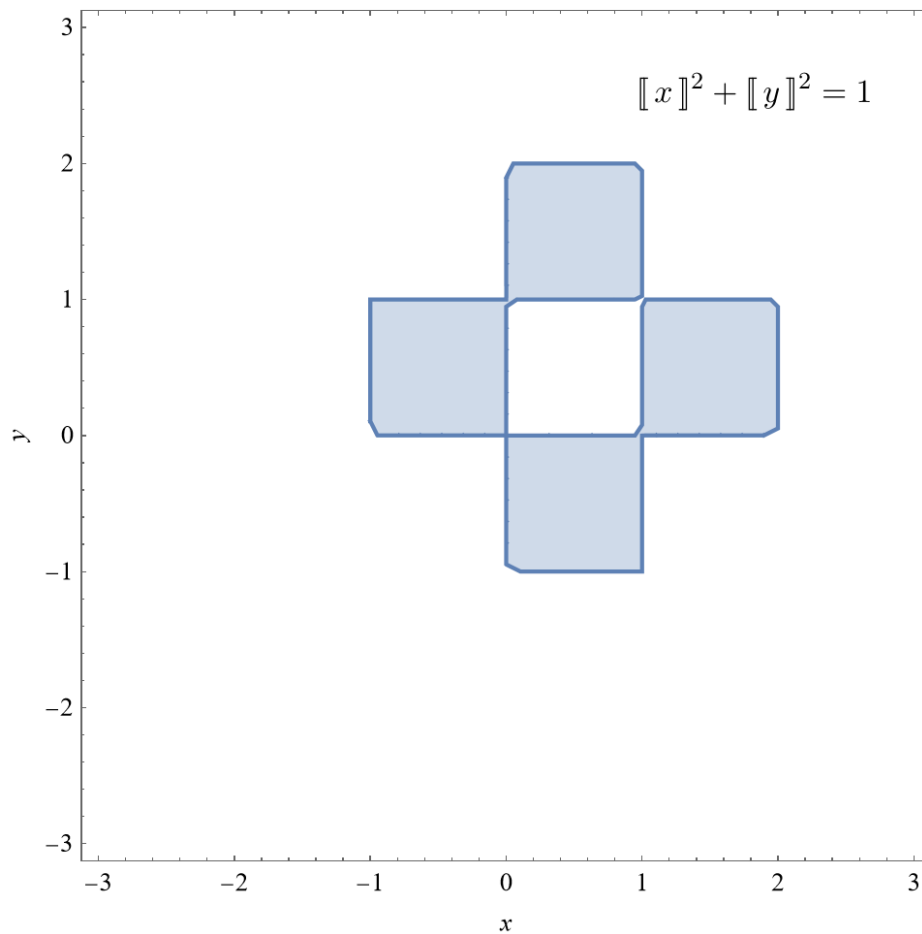
(b) $\lceil x \rceil^2 - \lceil y \rceil^2 = 3$

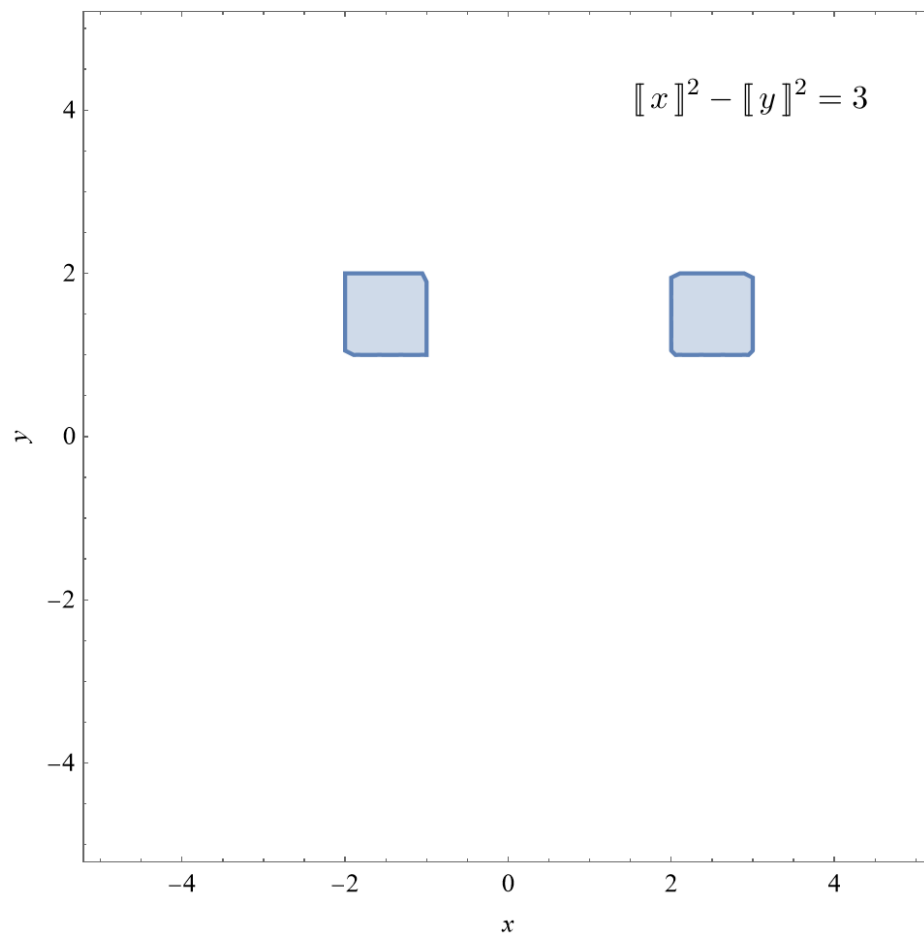
(c) $\lceil x + y \rceil^2 = 1$

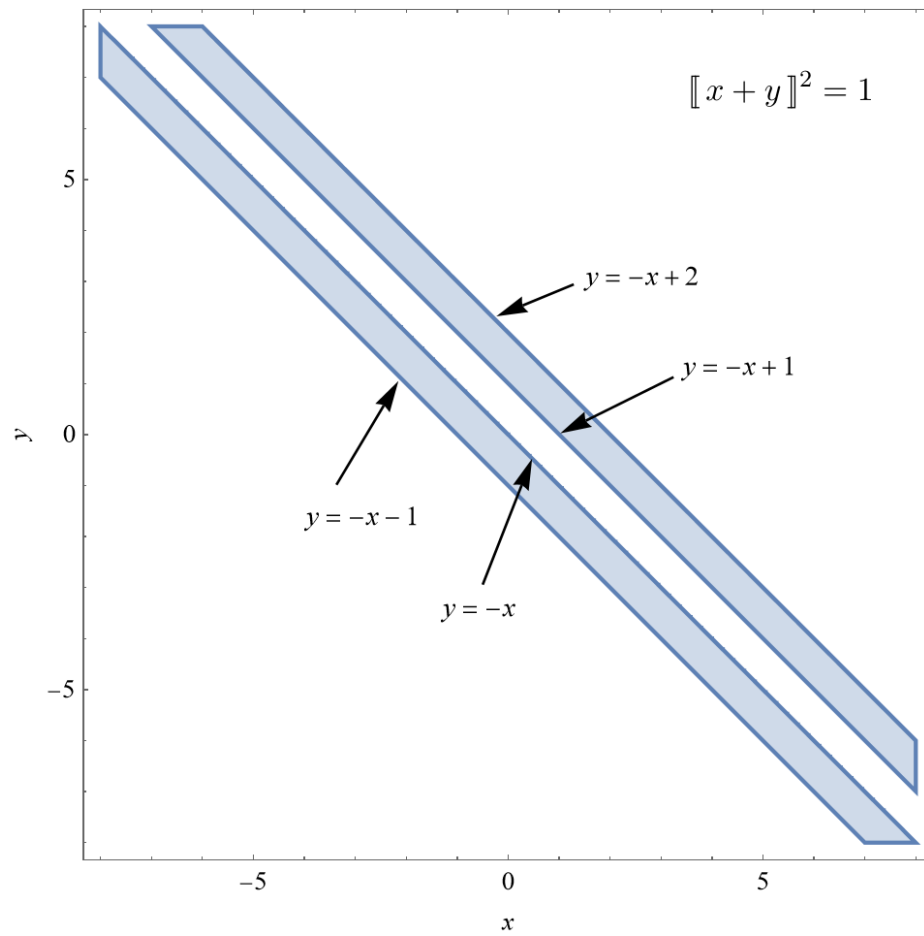
(d) $\lceil x \rceil + \lceil y \rceil = 1$

Solution

Part (a)



Part (b)

Part (c)

Part (d)