
Areas from Origin

X59299_en

A point in the integer plane is defined by a pair of integers (x, y) : first the x-axis coordinate, then the y-axis coordinate, as usual. Such a point defines an axis-parallel rectangle with respect to the origin of coordinates, namely $(0, 0)$. The other two corners are, clearly, $(0, y)$ and $(x, 0)$. What is the area of this rectangle? Write a function $area(x, y)$ that receives two integers x and y and returns the area of the rectangle specified in this manner.

An approximate drawing of the public test cases, with points $p : (5, 3)$ and $q : (-1, -1)$ could be:

```
  |  
 3 --- - - - - - - - - - - - - - - - - - - p  
  |  
 2  
  |  
 1  
  |  
- -3 - -2 - -1 -- 0 -- 1 -- 2 -- 3 -- 4 -- 5 --  
  |  
  q - -1  
  |  
-2  
  |
```

Problem information

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Generation: 2026-01-25T17:10:20.614Z

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