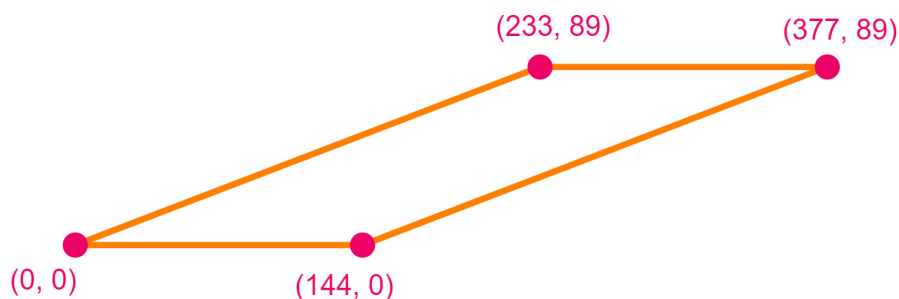


# Fenced In



**Problem.** Determine the number of grid points (that is, points whose coordinates are integers) which lie strictly within the interior of the parallelogram.

*Hint.* What about the same question for rectangles or right triangles (with horizontal bases)? How are these related to this parallelogram?



Submit your solution online by scanning QR code and filling out the form, or submit at

[sites.google.com/unomaha.edu/unopow](https://sites.google.com/unomaha.edu/unopow)

A photo of handwritten work is fine. You can also turn in solutions physically at the UNO math department's mail room (located on the second floor of the Durham Science Center).