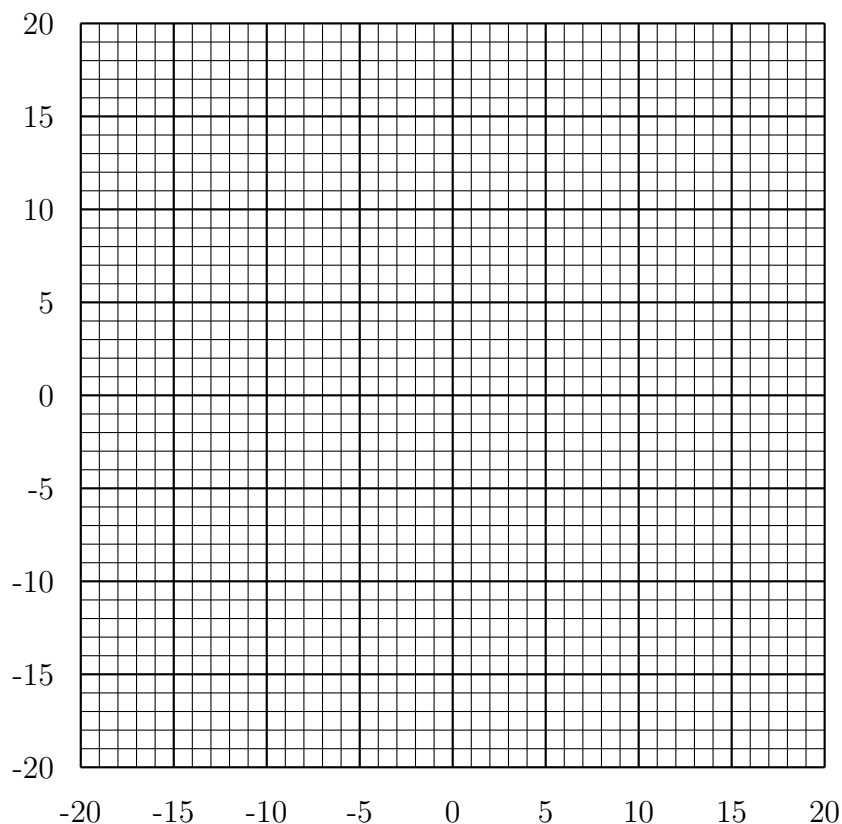


- Two farmers manage their transactions without money by trading goats (worth \$210 each) and sheep (worth \$340 each). Is it possible in this system to make a payment of \$130? A payment of \$80? Of \$50? Of \$30? Of \$20? Of \$10? Of \$5? Of \$1?
- Find all integer (i.e., whole number) solutions of the equation

$$x^2 + y^2 = 325$$

and mark them on the graph shown below. Remember that x and y are also allowed to be negative.



- A rectangular garden is surrounded by a path. If the length of the path is 60 feet and the area of the garden is 221 square feet, what are the dimensions of the garden?