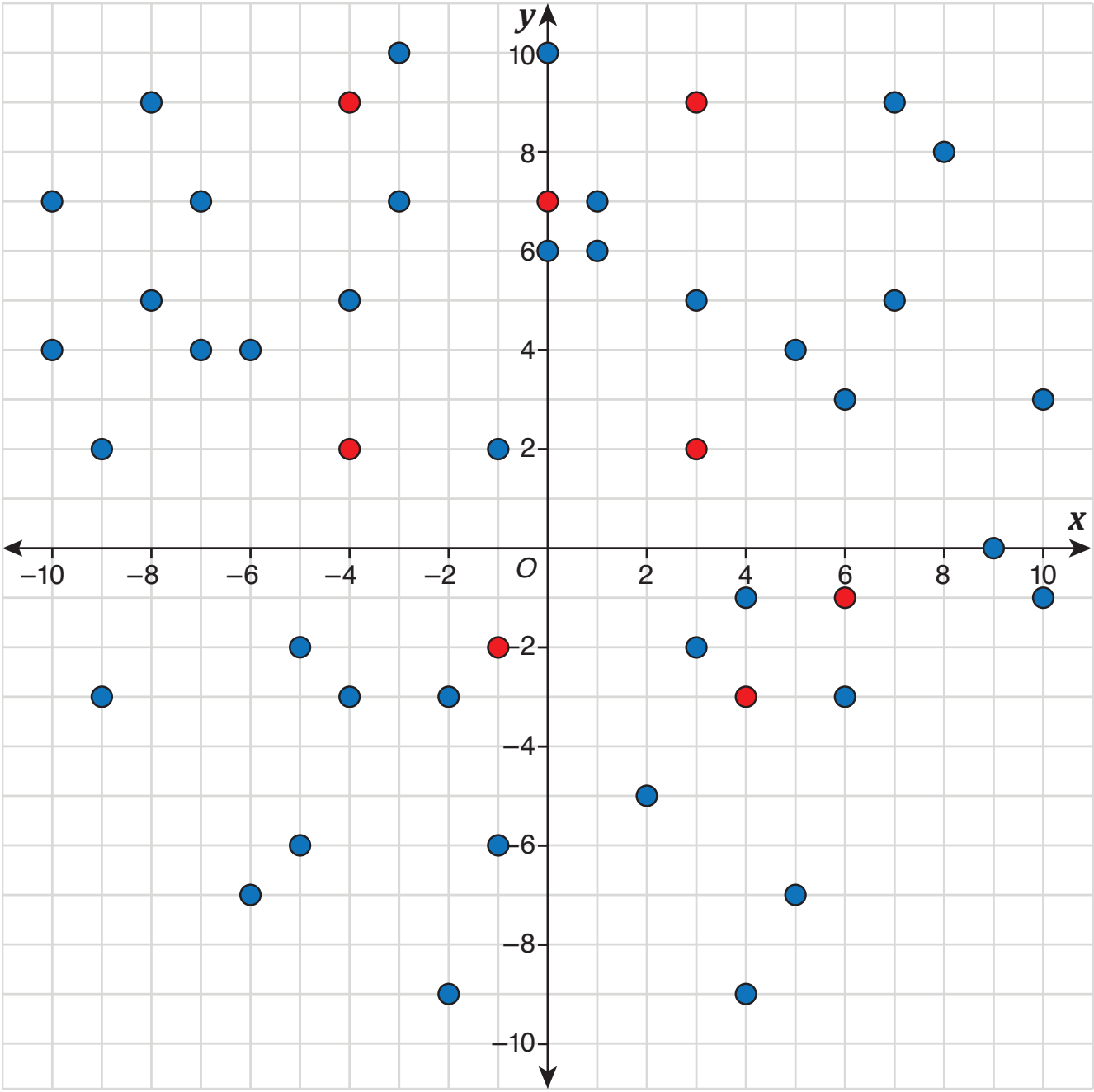
Hidden Squares

Name: _____



1. How many squares are there?

2. a. What is the side length of the smallest square?
   b. What are the coordinates of its four vertices?

3. a. What is the side length of the largest square?
   b. What are the coordinates of its four vertices?

4. How many squares of side length 4 are there?

BY-NC-SA

Squares Without Drawing

Name: _____

1. A square has three of its vertices at (–1, –3), (–1, 2) and (2, 3).
   a. What are the coordinates of the other vertex?
   b. How long is the side of the square?
2. A square has two of its vertices at (–3, 2) and (–3, –5).
   a. How long is the side of the square?
   b. What are the coordinates of the other vertices? Is this the only solution?
3. A square has one vertex at (–1, 3) and side length 4.
   a. How many different squares can you draw?
   b. What are the coordinates of the vertices of these squares?
4. A rectangle has three of its vertices at (–5, –3), (–5, –1) and (1, –1).
   a. What are the coordinates of the other vertex?
   b. How long are the sides of the rectangle?
5. A rectangle has two of its vertices at (–7, 1) and (–7, –5). One of the sides has length 2.
   a. How long is the other side?
   b. What are the coordinates of the other vertices? Is this the only solution?
6. A rectangle has one vertex at (–1, 3) and side lengths of 5 and 2.
   a. How many different rectangles can you draw?
   b. What are the coordinates of the vertices of these rectangles?

CC BY-NC-SA