## **LESSON** Review for Mastery

## **4-7** Introduction to Coordinate Proof

A **coordinate proof** is a proof that uses coordinate geometry and algebra. In a coordinate proof, the first step is to position a figure in a plane. There are several ways you can do this to make your proof easier.



## Position each figure in the coordinate plane and give the coordinates of each vertex.



**1.** a square with side lengths of 6 units



2. a right triangle with leg lengths of 3 units and 4 units



**3.** a triangle with a base of 8 units and a height of 2 units



4. a rectangle with a length of 6 units and a width of 3 units