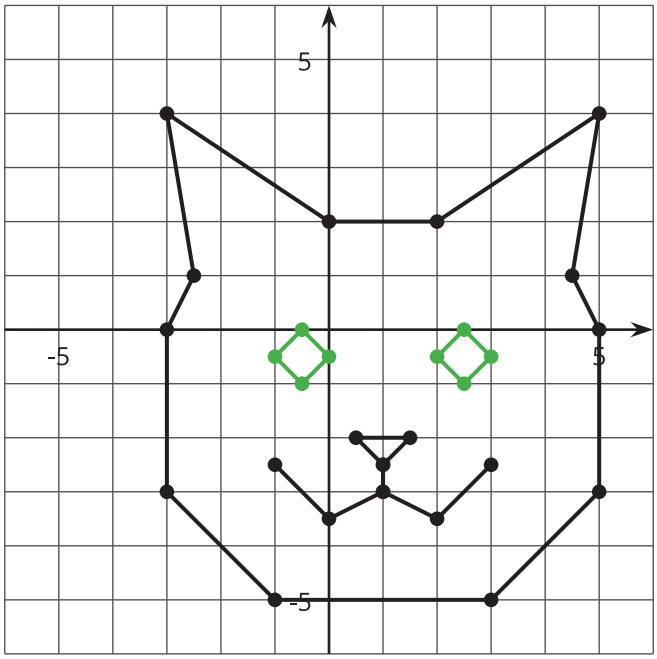
Drawing in the Coordinate Plane

Let's draw on the coordinate plane.

19.1 Cat Pictures

Use graphing technology to recreate this image. If graphing technology is not available, list the ordered pairs that make up this image. Then compare your list with a partner.



If you have time, consider adding more details to your image such as whiskers, the inside of the ears, a bow, or a body.

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Are you ready for more?

If you are using graphing technology, add these statements to the list of things being graphed:

$$x > 6$$
$$y > 5$$
$$x < -4$$
$$y < -6$$

Describe the result. Why do you think that happened?

19.2 Design Your Own Image

Use graphing technology to create an image of your own design. You could draw a different animal, a vehicle, a building, or something else. Make sure your image includes at least 4 points in each quadrant of the coordinate plane.

If graphing technology is not available, create your image on graph paper, and then list the ordered pairs that make up your image. Trade lists with a partner, but do not show them your image. Graph your partner's ordered pairs, and see if your images match.