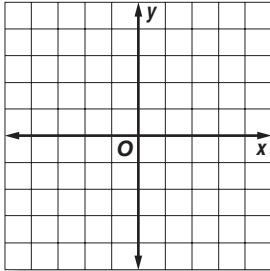


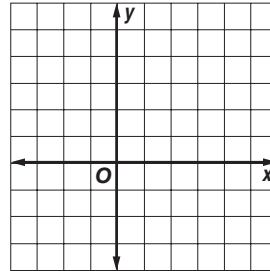
Figures on the Coordinate Plane

Graph and label each point. Then, connect the points in the order listed. Identify the geometric figure.

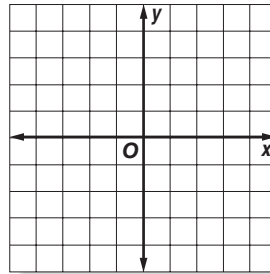
1. $A(-2, -2)$, $B(-1, 3)$, $C(4, -3)$, $A(-2, -2)$



2. $D(2, 4)$, $E(4, 2)$, $F(0, -2)$, $G(-2, 0)$, $D(2, 4)$

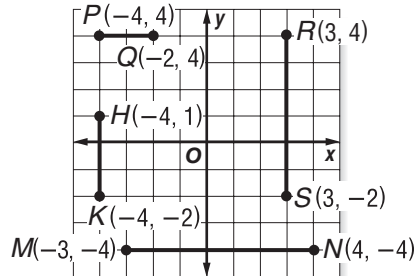


3. Draw a square on the coordinate plane at the right. Write the ordered pair that names each vertex.



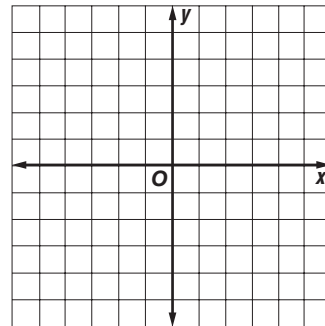
The length of \overline{HK} is 3 units. Find the length of each line segment.

4. \overline{MN}
5. \overline{PQ}
6. \overline{RS}



For Exercises 7-11, use the coordinate plane at the right.

7. Draw a rectangle with vertices $T(-2, 5)$, $U(5, 5)$, $V(5, 2)$, and $W(-2, 2)$.
8. Find the length and width of the rectangle.
9. Find the area of the rectangle.
10. Draw a triangle with vertices $X(3, 1)$, $Y(3, -3)$, and $Z(-1, -3)$.
11. Find the area of the triangle.



12. Draw a simple picture on a coordinate plane. Using coordinates, write a description of how to make your picture. Exchange descriptions with another student. Try to make the other student's drawing using only the description.