

Points and Lines on a Grid

NCTM Standards 1, 4, 6, 7, 8, 9, 10

Follow the directions below.

- 1 Mark A at $(-4, 3)$.

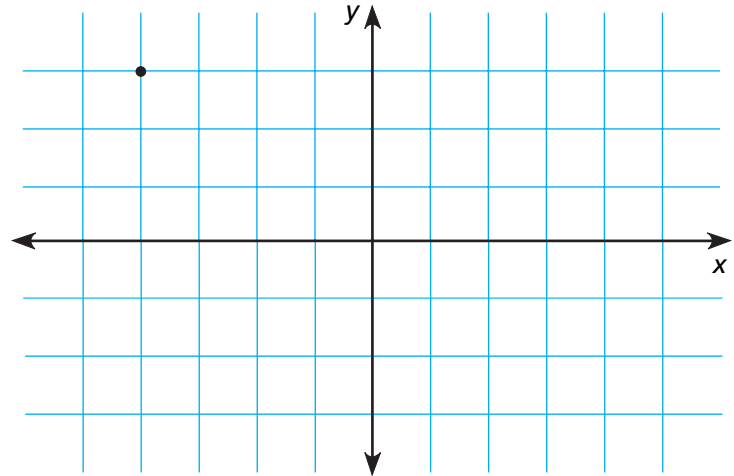
Mark B at $(3, 3)$.

Mark C at $(-4, -2)$.

Draw \overline{AB} .

Draw \overline{BC} .

Draw \overline{AC} .



What figure did you draw? _____

- 2 Mark D at $(3, -2)$.

Mark E at $(3, 2)$.

Mark F at $(-3, 2)$.

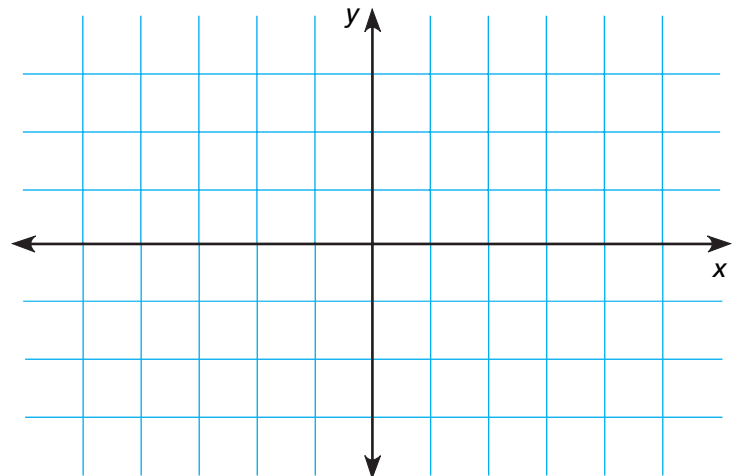
Mark G at $(-3, -2)$.

Draw \overline{DE} .

Draw \overline{EF} .

Draw \overline{FG} .

Draw \overline{GD} .



What figure did you draw? _____

What is its perimeter? _____

What is its area? _____

3 Mark H at $(-3,1)$.

Mark I at $(-1,-3)$.

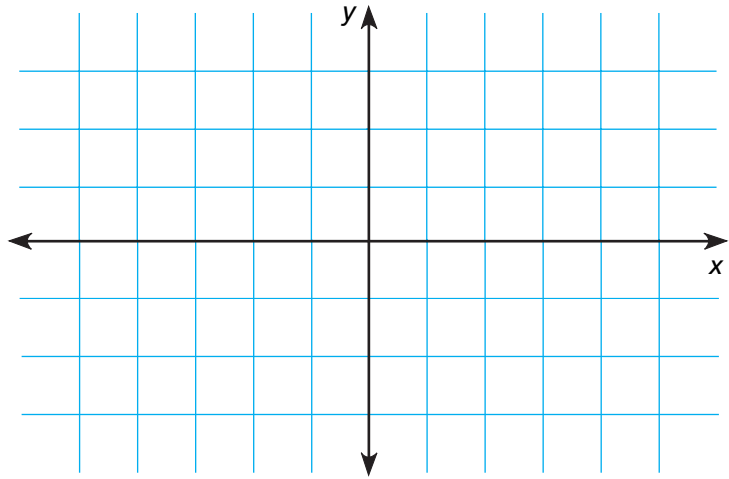
Mark J at $(3,-1)$.

Mark K at $(1,3)$.

Draw \overline{HI} . Draw \overline{JK} .

Draw \overline{IJ} . Draw \overline{HK} .

What figure did you draw?



4 Mark L at $(-3,1)$.

Mark M at $(-1,3)$.

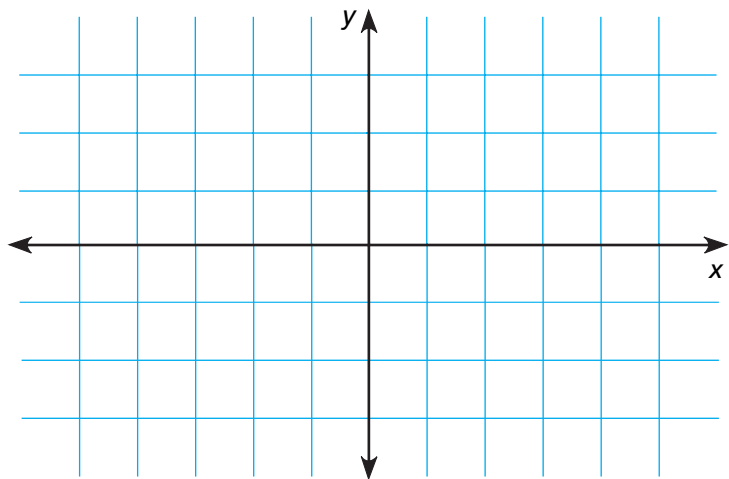
Mark N at $(3,3)$.

Mark O at $(3,-1)$.

Mark P at $(-1,-1)$.

Draw \overline{LM} , \overline{MO} , \overline{ON} , \overline{NP} , and \overline{PL} .

What figure did you draw?



5 Challenge

Mark Q at $(-2,3)$. Mark U at $(-3,0)$.

Mark R at $(2,3)$. Mark V at $(0,-1)$.

Mark S at $(0,2)$. Mark W at $(3,0)$.

Mark T at $(-4,1)$. Mark X at $(4,1)$.

Draw \overline{TU} , \overline{VW} , \overline{WX} , and \overline{VU} .

What did you draw?

