

Compute the values of x and y below. Then write the values as ordered pairs of numbers (x,y) .

x	y	
$18 \div (-3)$	$0 \div (-5)$	A (____, ____)
$(-12) \div 3$	$0 \div 10$	B (____, ____)
$10 \div (-5)$	$0 \div (-7)$	C (____, ____)
$0 \div (-1)$	$0 \div (-100)$	D (____, ____)
$(-20) \div 10$	$(-8) \div (-4)$	E (____, ____)
$0 \div (-17)$	$(-12) \div (-6)$	F (____, ____)
$0 \div (-50)$	$(-24) \div (-6)$	G (____, ____)
$0 \div 1$	$(-36) \div (-6)$	H (____, ____)
$(-30) \div 5$	$(-42) \div (-7)$	I (____, ____)

Locate the ordered pairs of numbers as points in the coordinate plane and label each point with its corresponding letter.

Draw segments \overline{AH} , \overline{HI} , \overline{AI} .

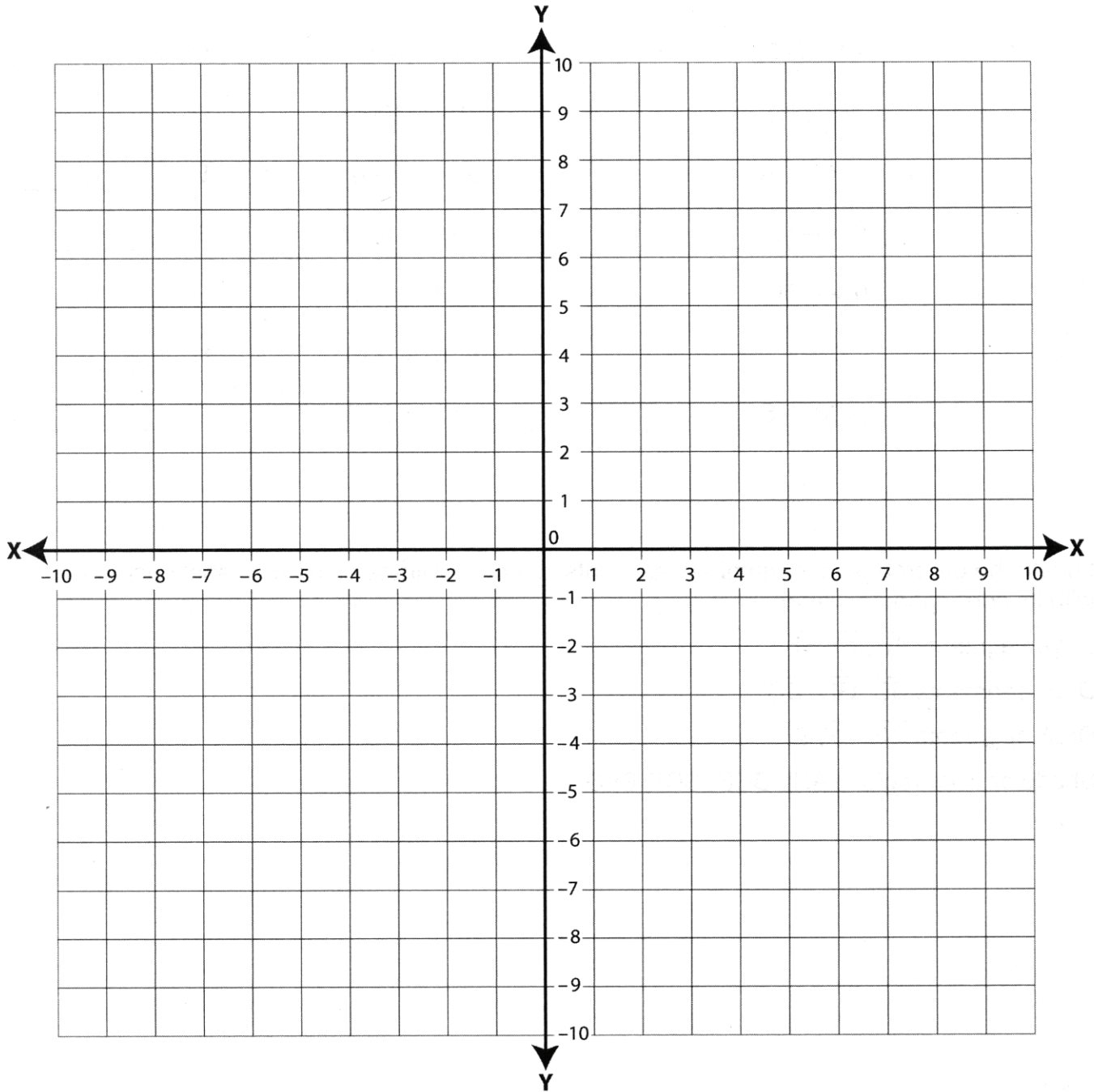
Draw segments \overline{BD} , \overline{GD} , \overline{BG} .

Draw segments \overline{CE} , \overline{CF} , \overline{EF} .

Shade or color regions AHI , BCE , CDF , EFG .

Activity 10

Draw another design that is a reflection of the design just drawn. The Y axis will be the line of reflection. For example, locate point B1(4, 0) as the image of point B, point E1(2, 2) as the image of point E, and so on. Now draw another design that is a reflection of the design drawn so far, with the X axis as the reflecting line. Locate point A2(6, 0) as the image of point A1, point E2(2,-2) as the image of point E1, point G3(0,-4) as the image of point G, and so on.



Draw images of all the segments in the original design, for example, $\overline{A1H1}$, $\overline{E2F2}$, $\overline{C3F3}$, and so on. Shade or color the rest of the design by the same pattern as used in the original design.