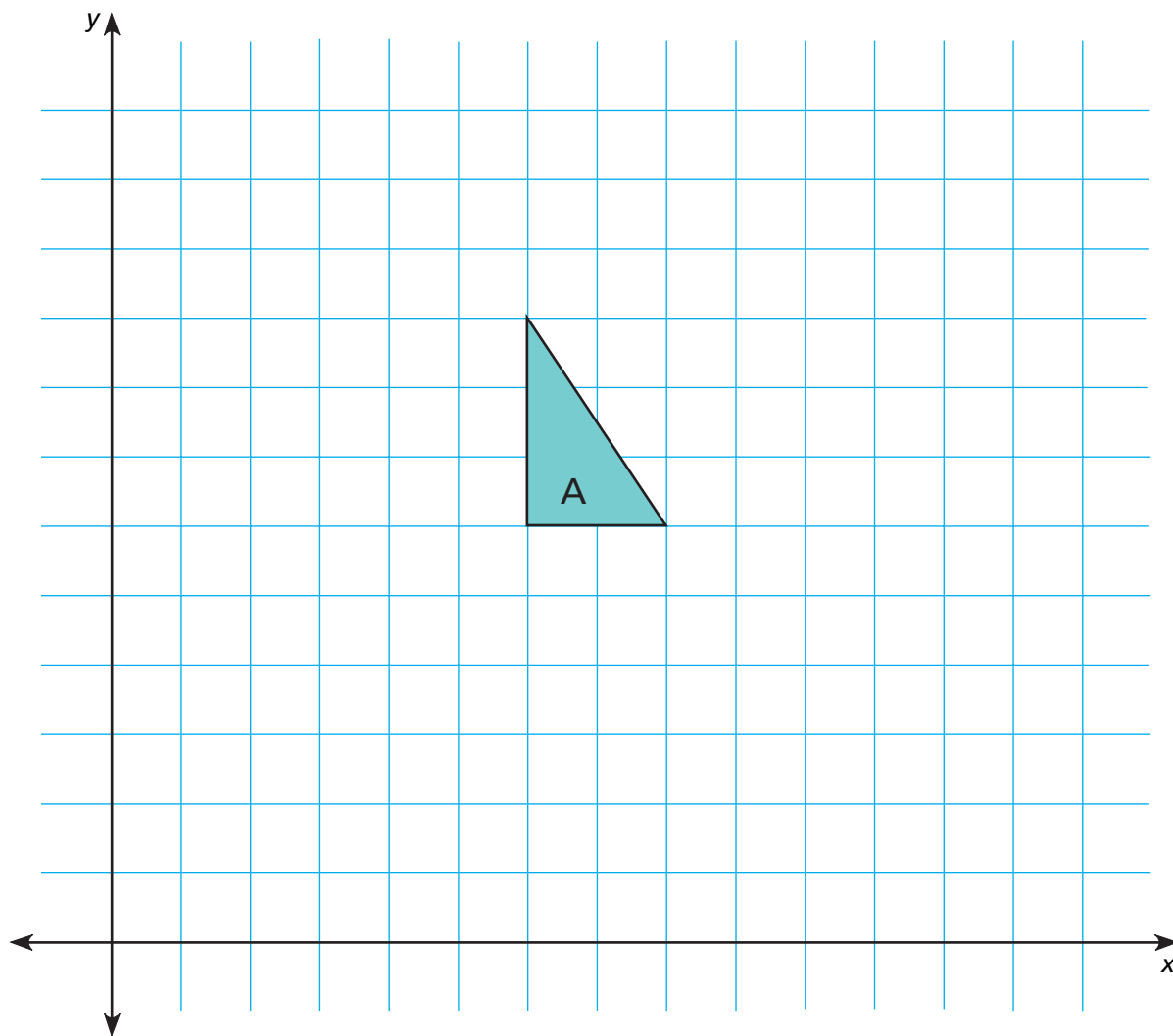Name _____ Date _____

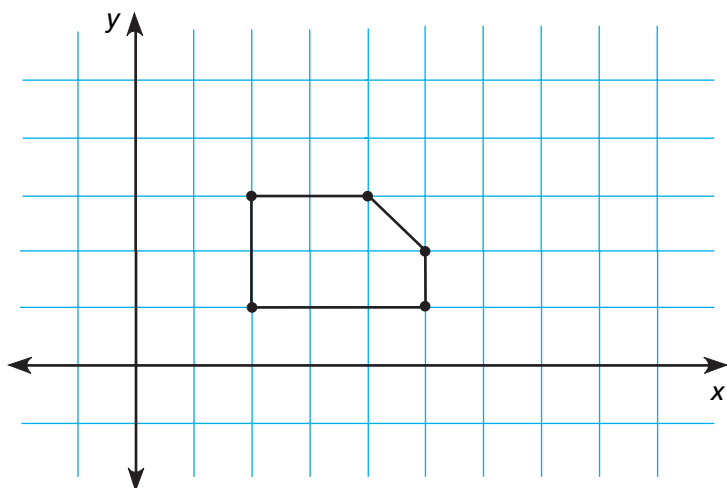# Moving Figures on a Coordinate Grid

NCTM Standards 1, 2, 3, 6, 7, 8, 9, 10

1 Complete the table and draw and label figures H, I, and J.

A	H	I	J
(x,y)	$(x + 5,y)$	$(x,y - 5)$	$(x - 4,y + 4)$
(6,6)	(11,6)		
(6,9)			(2,13)
(8,6)		(8,1)	

2 Slide this figure 4 spaces to the right.

Original Points	New Points

3 Follow the rule to fill in the pairs of coordinates in the table. Then place and connect the new points to make a new version of the figure.

How did the figure move?

_____
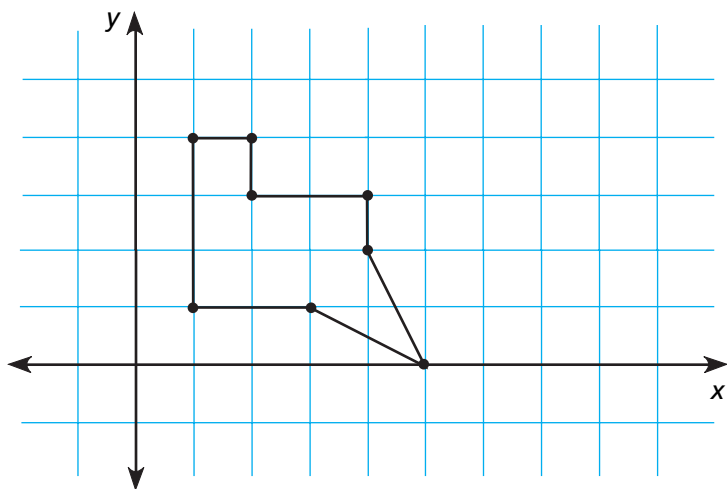
Original Points	New Points
(x,y)	$(10 - x,y)$
(1,1)	(9,1)
(1,4)	
(2,4)	
(2,3)	(8,3)
(3,1)	
(4,3)	
(4,2)	(6,2)
(5,0)	

4 Challenge Describe how you think a figure would move if, for each point, you subtracted 3 from the first coordinate and added 2 to the second coordinate.

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_____

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