

MasterMath

Name _____

Transformations Part 2

Date _____

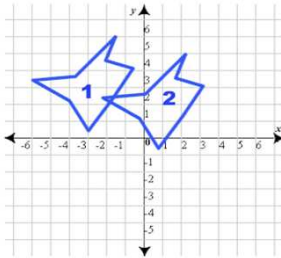
1. Find the new coordinates after reflect around the x axis

a	a'	b	b'	c	c'
(3, 2)	(3, -2)	(-4, -2)	(-4, 2)	(6, 7)	(6, -7)
(22, 45)	(22, -45)	(3, 9)	(3, -9)	(14, -66)	(14, 66)
(12, 12)	(12, -12)	(8, 8)	(8, -8)	(4, 4)	(4, -4)

2. Find the new coordinates after reflect around the y axis

a	a'	b	b'	c	c'
(3, 2)	(-3, 2)	(-4, -2)	(4, -2)	(6, 7)	(-6, 7)
(22, 45)	(-22, 45)	(3, 9)	(-3, 9)	(14, -66)	(-14, -66)
(12, 12)	(-12, 12)	(8, 8)	(-8, 8)	(4, 4)	(-4, 4)

3. When the figure was transformed from F1 to F2, what type of transformation did it go through?

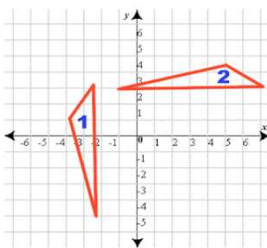


translation

4. Coordinate A of Figure 1 was (-6, 12) before transformation. After transformation of Figure 1, Coordinate A' in Figure 1' was (6, 12). What transformation did it go through?

reflection

5. To transform Figure 1 into Figure 2, what two types of transformation were used?



rotation

translation

6. These figures were reflected around the x axis. If vertex A has coordinates of (6, 5), what are the coordinates of vertex A'?

(6, -5)

