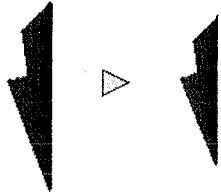


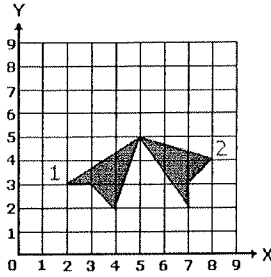
What type of transformation is shown in each figure below?

Write the correct word on the blank below the figure.
(translation, dilation, reflection, rotation)

Name _____



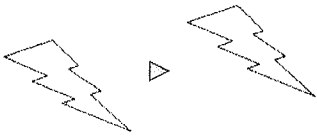
A. _____



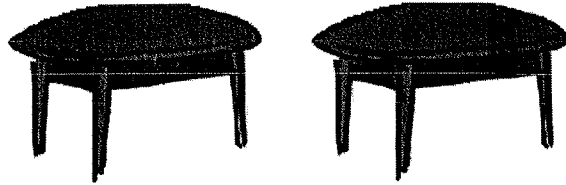
B. _____



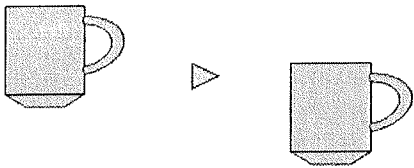
C. _____



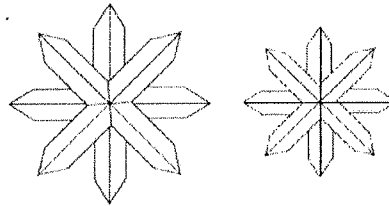
D. _____



E. _____



F. _____



G. _____



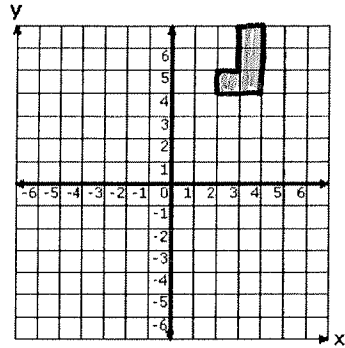
H. _____



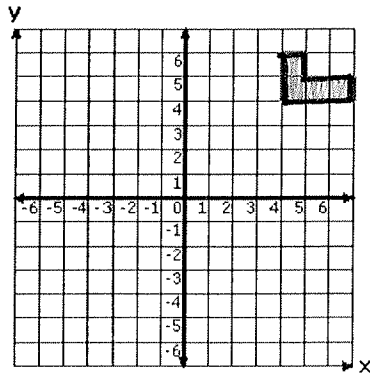
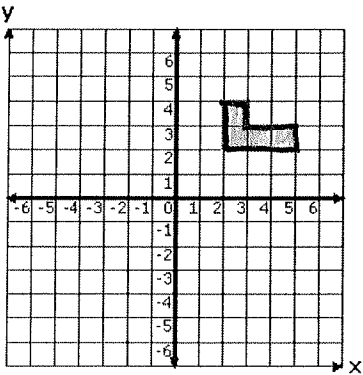
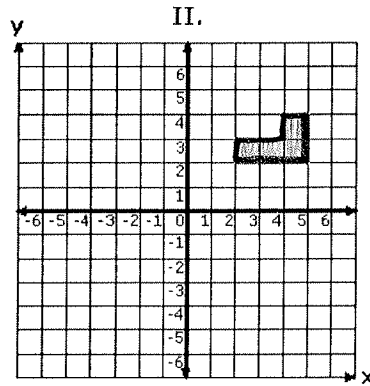
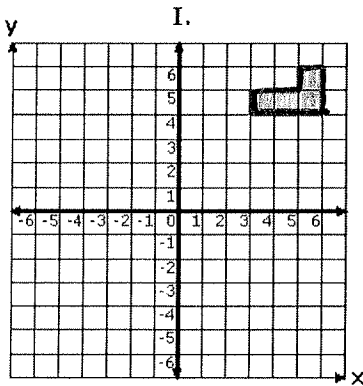
I. _____

Object Transformations – Circle the best answer.

1.



Which graph below shows a rotation of the object above, around point (4,4)?

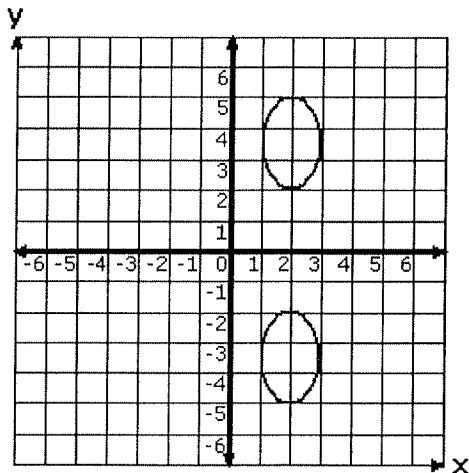
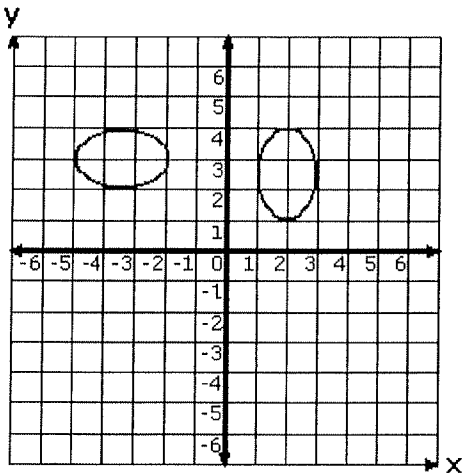
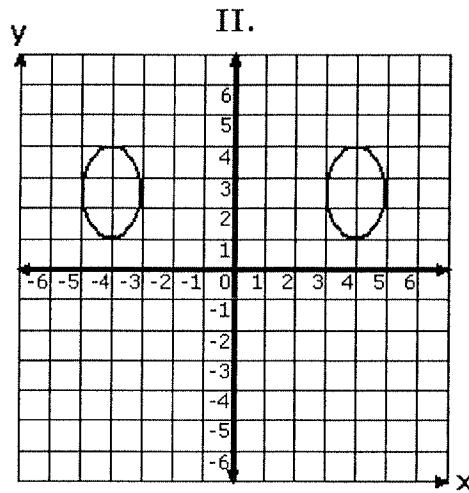
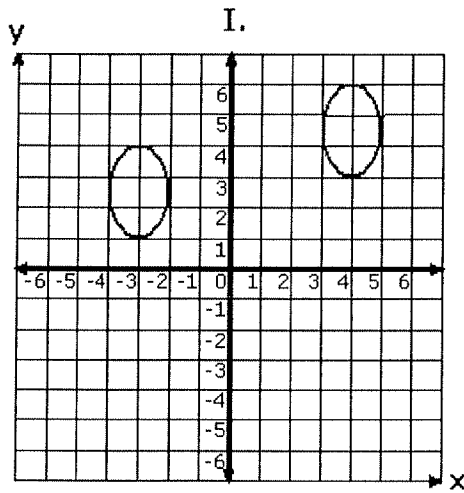


- A. III
 - B. I
 - C. II
 - D. IV
-

2. Which of the following transformations will produce a similar, but not congruent figure?

- A. dilation
 - B. reflection
 - C. translation
 - D. rotation
-

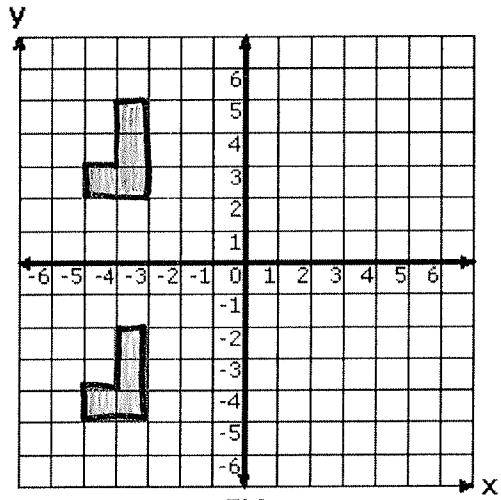
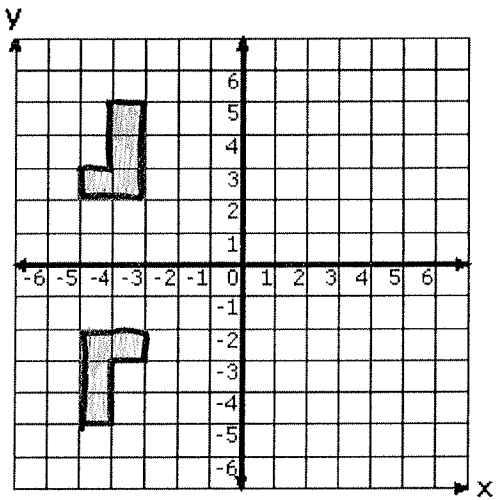
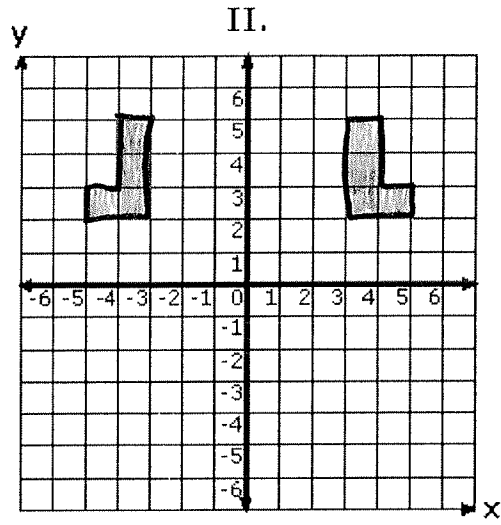
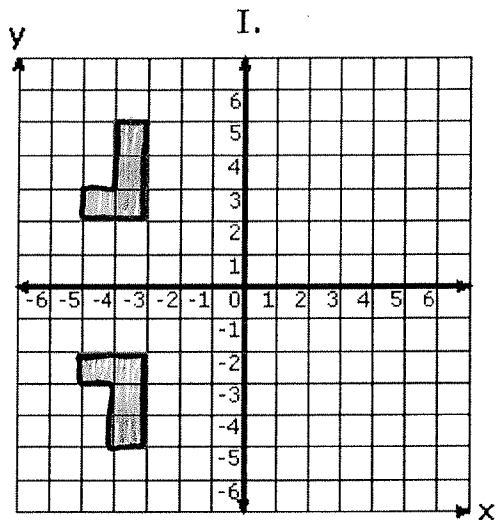
3.



Which graph shows a **reflection** across the y-axis?

- A. II
- B. I
- C. III
- D. IV

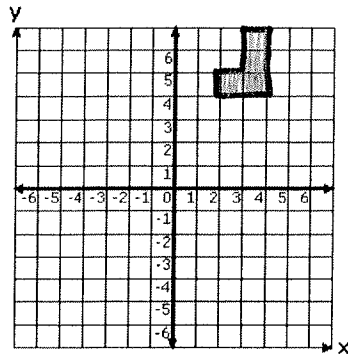
4.



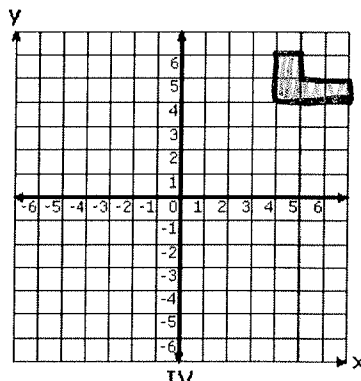
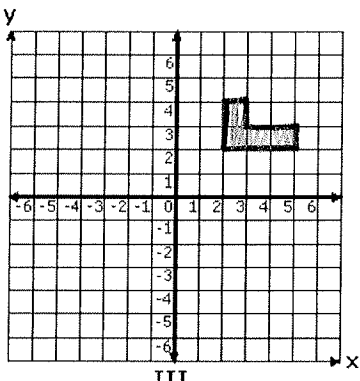
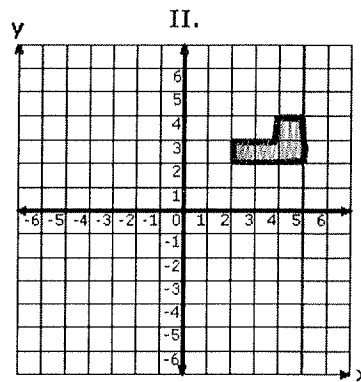
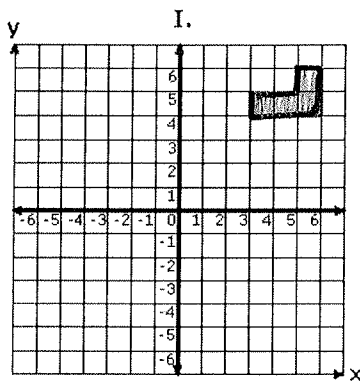
Which graph shows a **reflection** across the x-axis?

- A. II
- B. I
- C. IV
- D. III

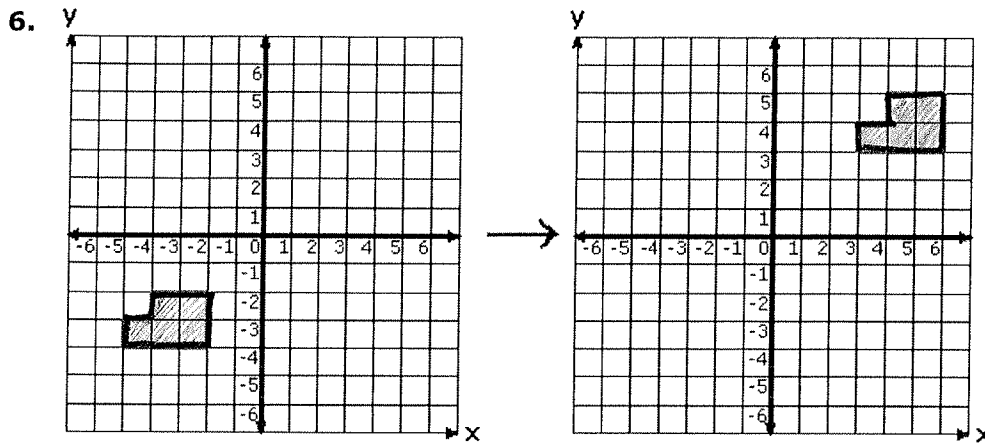
5.



Which graph below shows a rotation of the object above, around point (2,4)?

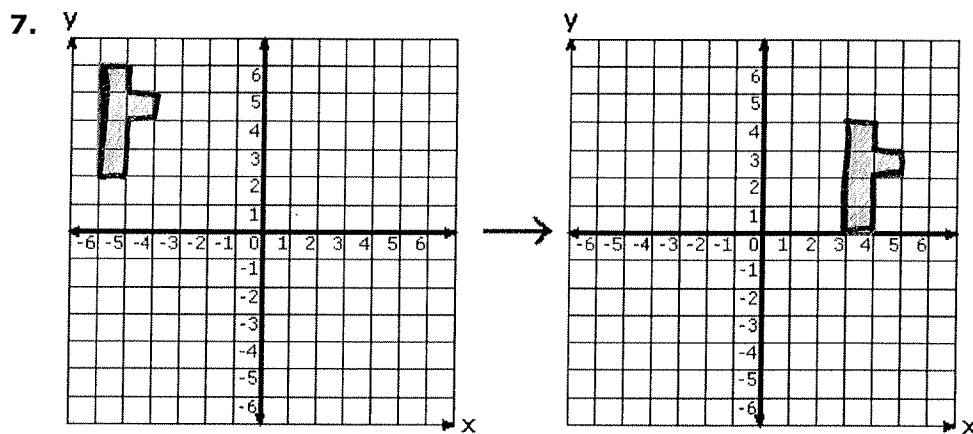


- A. I
- B. II
- C. IV
- D. III



The translation above shows an object moving ...

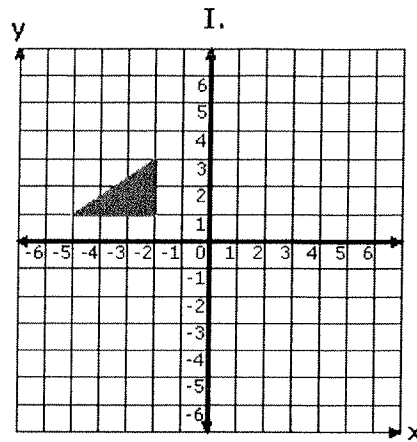
- A. 9 in the x direction, and 7 in the y direction
- B. 9 in the x direction, and 6 in the y direction
- C. 8 in the x direction, and 6 in the y direction
- D. 8 in the x direction, and 7 in the y direction



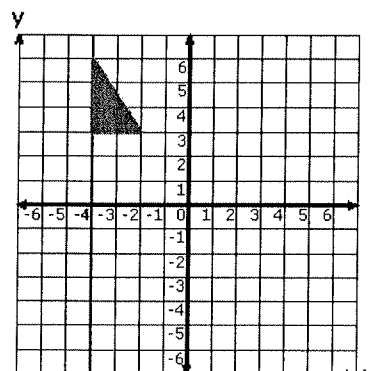
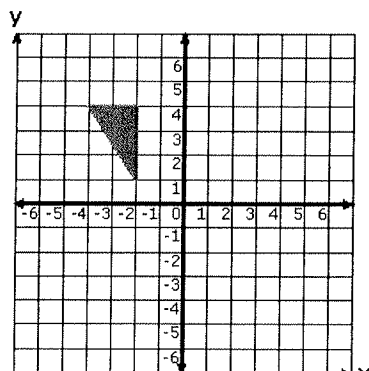
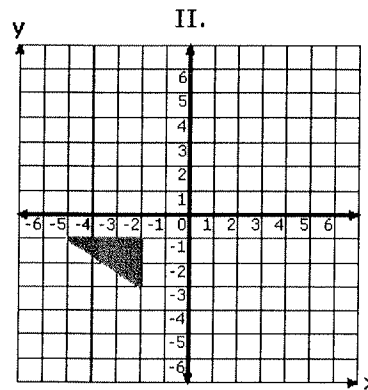
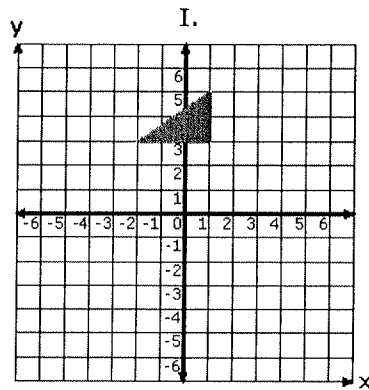
The translation above shows an object moving ...

- A. 8 in the x direction, and -2 in the y direction
- B. 9 in the x direction, and -2 in the y direction
- C. 9 in the x direction, and -3 in the y direction
- D. 8 in the x direction, and -3 in the y direction

8.

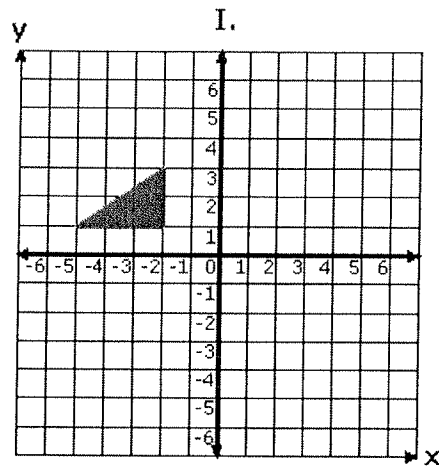


Which graph below shows a rotation of the object in the graph above about point $(-2, 3)$?

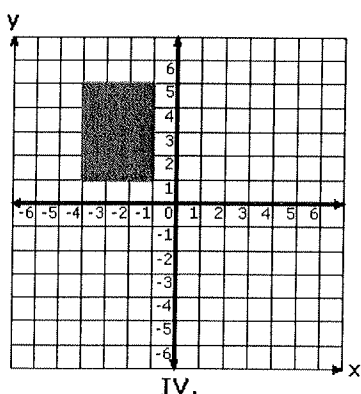
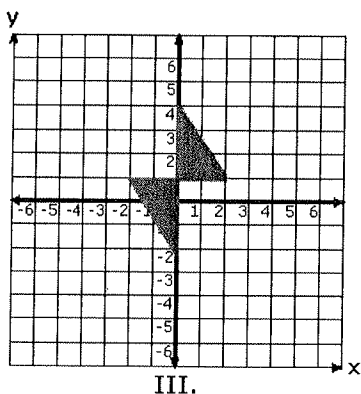
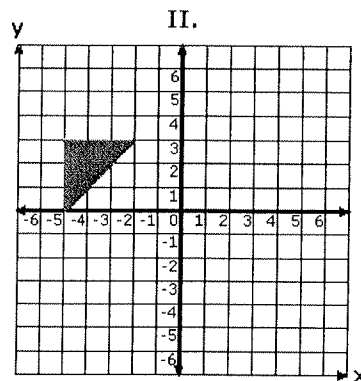
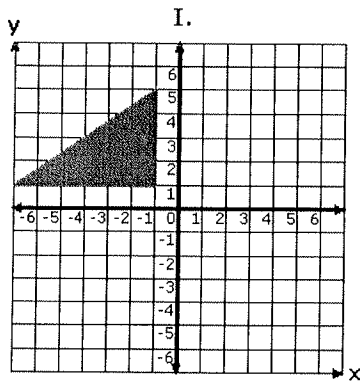


- A. I
- B. II
- C. III
- D. IV

9.

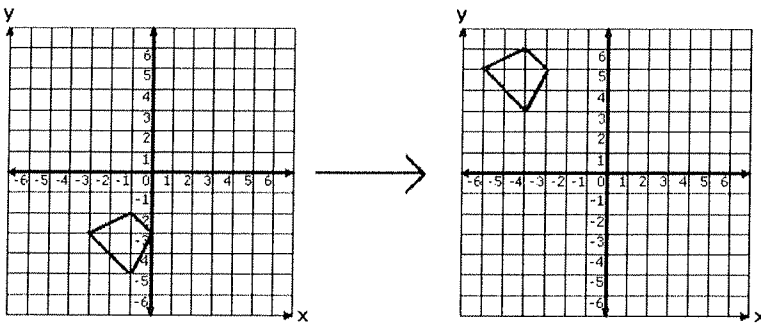


Which graph below shows a **dilation** of the object in the graph above?



- A. III
- B. II
- C. I
- D. IV

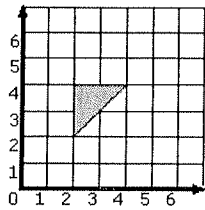
10.



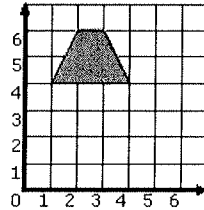
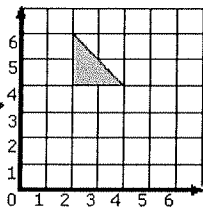
The **translation** above shows the object moving

- A. -3 in the x direction, and 8 in the y direction.
- B. 3 in the x direction, and -8 in the y direction.
- C. -6 in the x direction, and 5 in the y direction.
- D. 8 in the x direction, and -3 in the y direction.

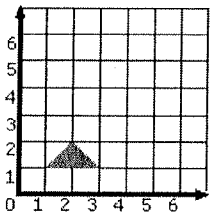
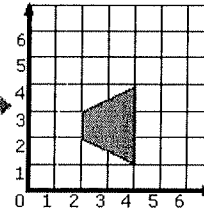
11.



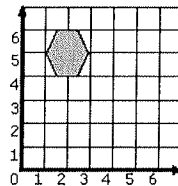
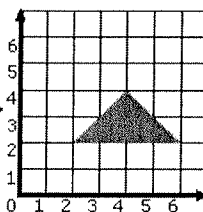
W.



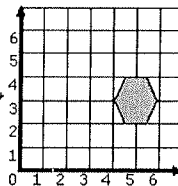
X.



Y.



Z.



Which figure above shows a dilation?

- A. W
- B. X
- C. Y
- D. Z