Honors Geometry
Reading Comprehension Check

Name KEY
Period____Date_____

I. Match the following terms with the most appropriate description or definition.

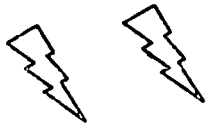
D 1. A transformation that preserves size and shape
I 2. An arrow showing distance and direction
E 3. A 2-step isometry including a translation and a reflection
G 4. An isometry modeling a mirror image
H 5. An arc of a circle with an arrowhead
C 6. An isometry modeling a turning motion
B 7. An isometry modeling a sliding motion
F 8. The new figure created by a transformation
A 9. A one-to-one correspondence or pairing of points from the original figure to points on a new figure.

A) Transformation
B) Translation
C) Rotation
D) Isometry
E) Glide Reflection
F) Image
G) Reflection
H) Rotation Vector
I) Translation Vector

II. Identify each transformation as one of the following:

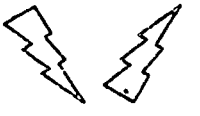
A) Translation B) Rotation C) Reflection D) Glide Reflection E) None

10. A



11. B

12. D

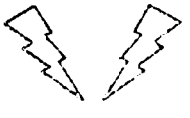


13. C

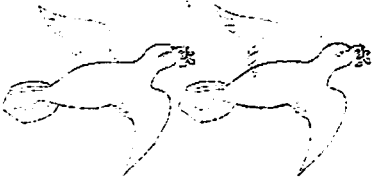
14. B

15. B

16. C



17. A



18. D

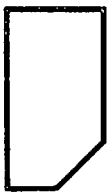
Honors Geometry
Transformations

Name_____
Period_____Date_____

I. Given the following figure, classify each of the following as a

A) reflection of the original
B) rotation of the original
C) translation of the original
D) not an isometry

1. A 

2. B 

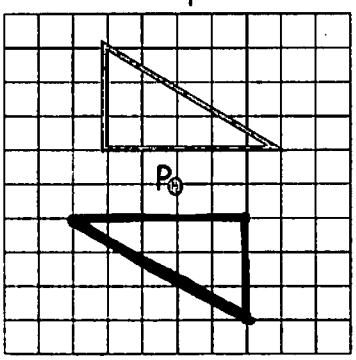
3. C 

4. A 

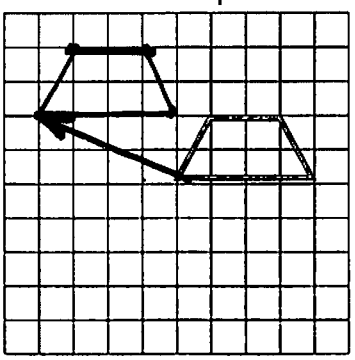
5. B 

II. Given the following figure,

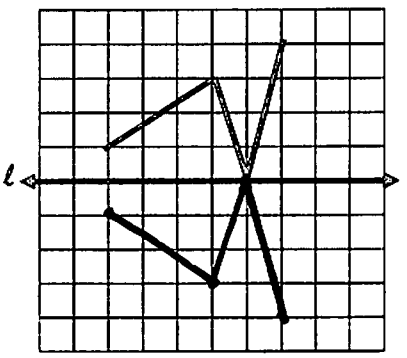
1. Rotate this figure 180° about point P.



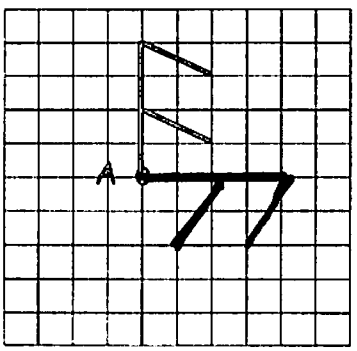
2. Translate this figure left 4 and up 2.



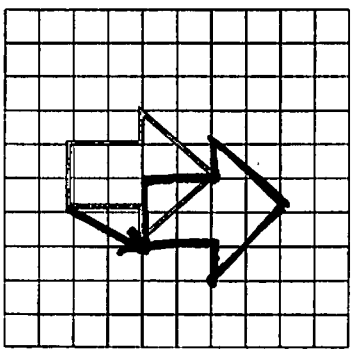
3. Reflect this figure Over line ℓ.



4. Rotate this figure 90° clockwise about A.



5. Translate this figure using the vector <2, -1>.



6. Reflect this figure Over line k.