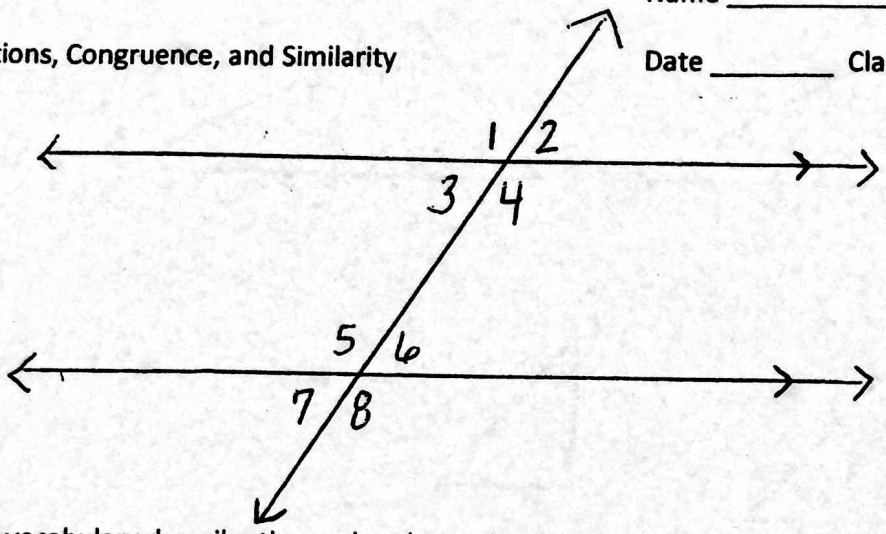
Unit 1 Post Test Review

Transformations, Congruence, and Similarity

Name _____

Date _____ Class _____

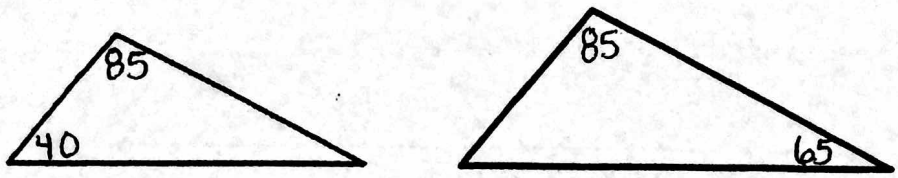


Using correct vocabulary describe the angle relationship between the two given angles if possible. Determine if the angles are congruent or supplementary.

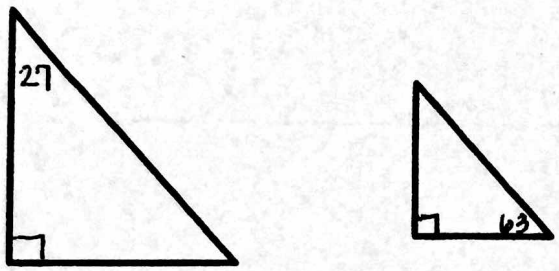
1. 1 and 5
2. 1 and 4
3. 1 and 2
4. 1 and 8
5. 3 and 6
6. 3 and 4
7. 4 and 5
8. 2 and 7
9. 4 and 8
10. 5 and 8
11. 1 and 6

Determine if the given triangles are similar. Why or why not.

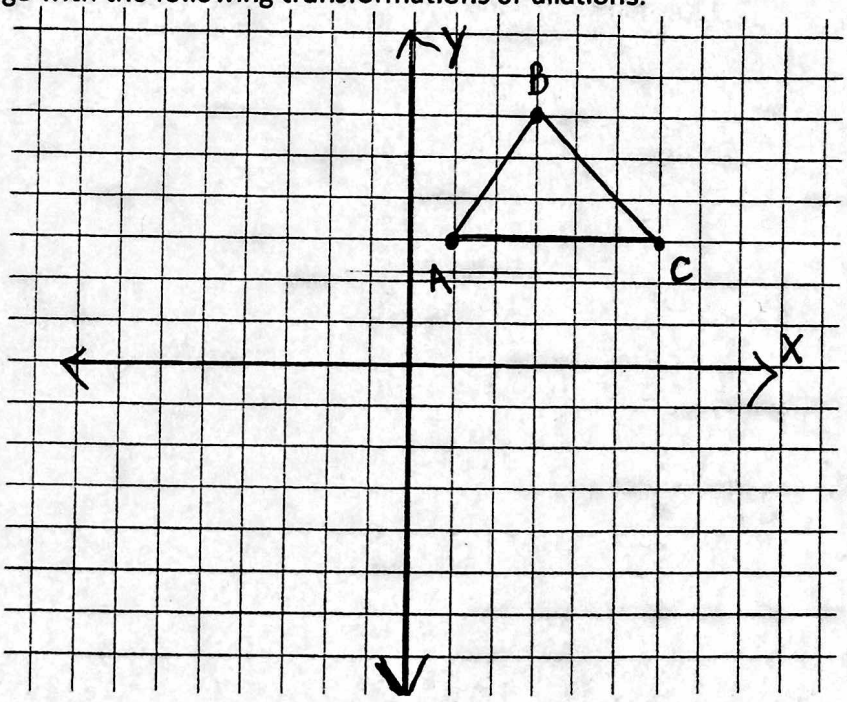
12.



13.



Use the preimage to create an image with the following transformations or dilations.



14. $(x + 3, y - 2)$
15. $(\frac{5}{3}x, \frac{5}{3}y)$
16. Reflect over the y-axis
17. Reflect over the x-axis
18. Rotate 90° clockwise
19. Rotate 90° counterclockwise
20. Rotate 180°
21. What are the new coordinates of rectangle ABCD if it is rotated 90° counterclockwise, reflected over the x-axis, and then translated 3 units to the right?