Sub: Algebra and Geometry   **Class: 7**   **Date: 16.06.20**
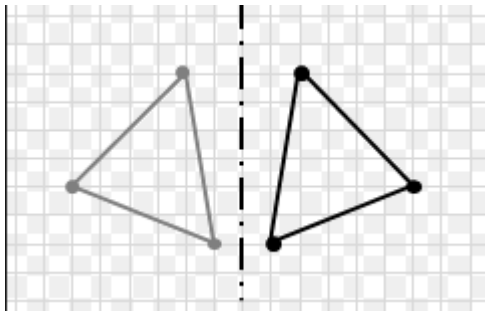**Duration: 40 min**   **Worksheet 33**   **Full Marks: 15**

Rotation and Reflection

Choose the Correct options:

1. A turn is also called a
   - A. Rotation
   - B. Reflection
   - C. Translation

2. Name this transformation

   - A. Translation
   - B. Rotation
   - C. Reflection

3. What is this

   - A. Rotation
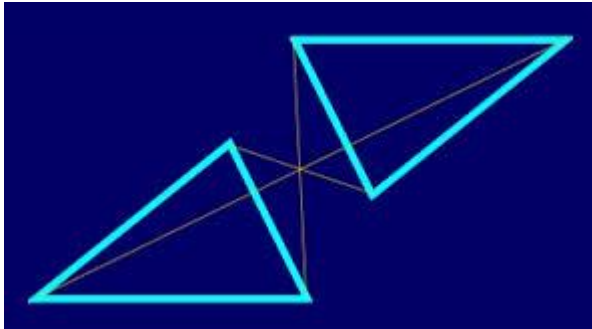   - B. Reflection
   - C. Translation

4. If I moved an object without altering it what is it called
   - A. Reflection
   - B. Rotation
   - C. Translation

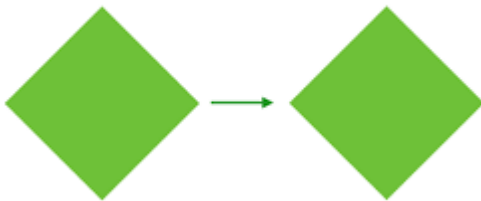5. When you reflect a shape, you _____ over an axis or line.
   - A. Flip
   - B. Rotate
   - C. Slide

6. Rotation or Reflection

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   A. Rotation
   B. Reflection
   C. Translation

7. Describe the Transformation

   A. Translation
   B. Rotation
   C. Reflection

8. Reflection or Rotation
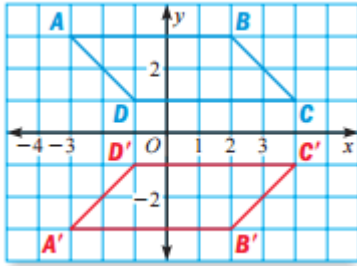

   A. Reflection
   B. Rotation
   C. Translation

9. Rule for rotation
   A. You must turn the shape 90, 180 or 270 degrees
   B. You must move the shape without altering the layout
   C. I Don't Know
   D. Must flip the shape on the mirror/reflection line

10. Translations, reflections and rotations are all known as _____.
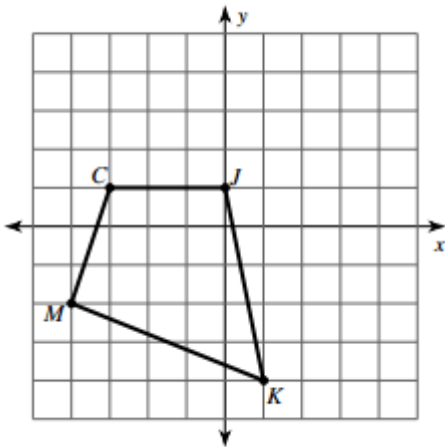   A. Geometry
   B. Transformations
   C. Congruent

11. State the line of reflection.

   A. Reflection across y-axis
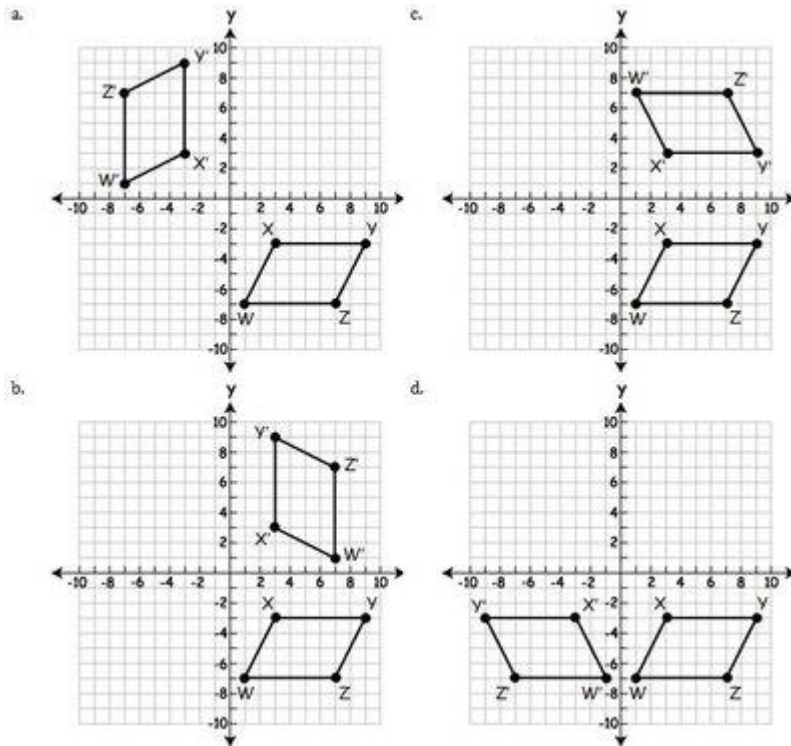   B. Reflection across x-axis
   C. Reflection across x = 1

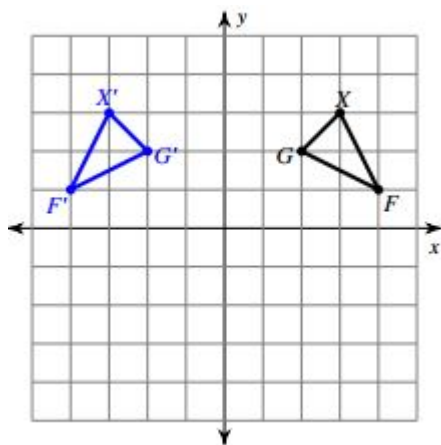12. Find K' if the figure is reflected across the x-axis

reflection across the x-axis

   A. (4, 1)
   B. (1, -4)
   C. (1, 4)
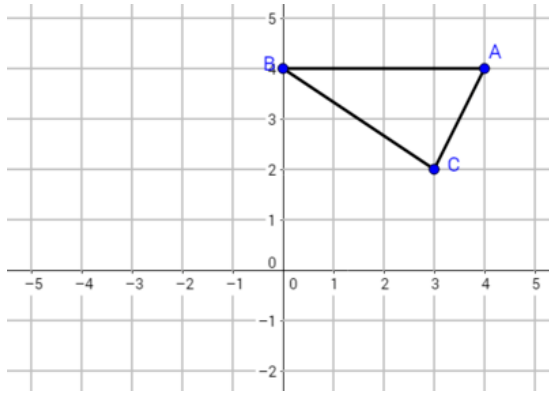
13. Which answer shows a reflection across the x-axis?

A. D

B. C

C. B

14. Is the picture being reflected in the y-axis or x-axis?

A. y-axis

B. x-axis

C. z-axis

15. Reflect Point C over the y-axis:

A. (-3, 2)
B. (3,2)
C. (-2,3)