



ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION



Sub: Algebra and Geometry

Class: 7

Date: 16.06.20

Duration: 40 min

Worksheet Solution 33

Full Marks: 15

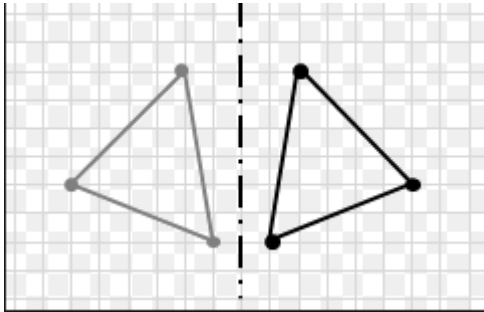
Rotation and Reflection

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

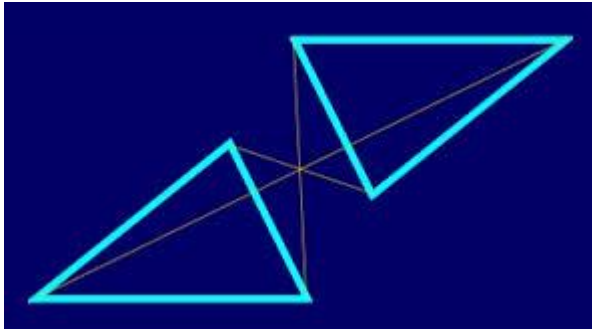
4. If I moved an object without altering it what is it called

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

5. When you reflect a shape, you _____ over an axis or line.

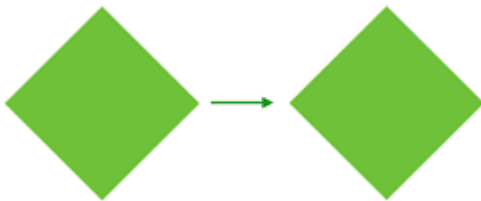
- A. **Flip**
- B. Rotate
- C. Slide

6. Rotation or Reflection



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

7. Describe the Transformation



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

8. Reflection or Rotation

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

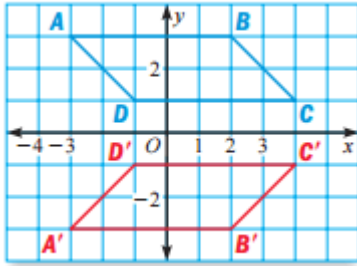
9. Rule for rotation

- 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

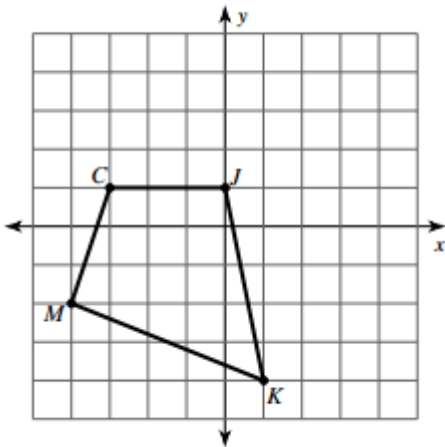
11. State the line of reflection.



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

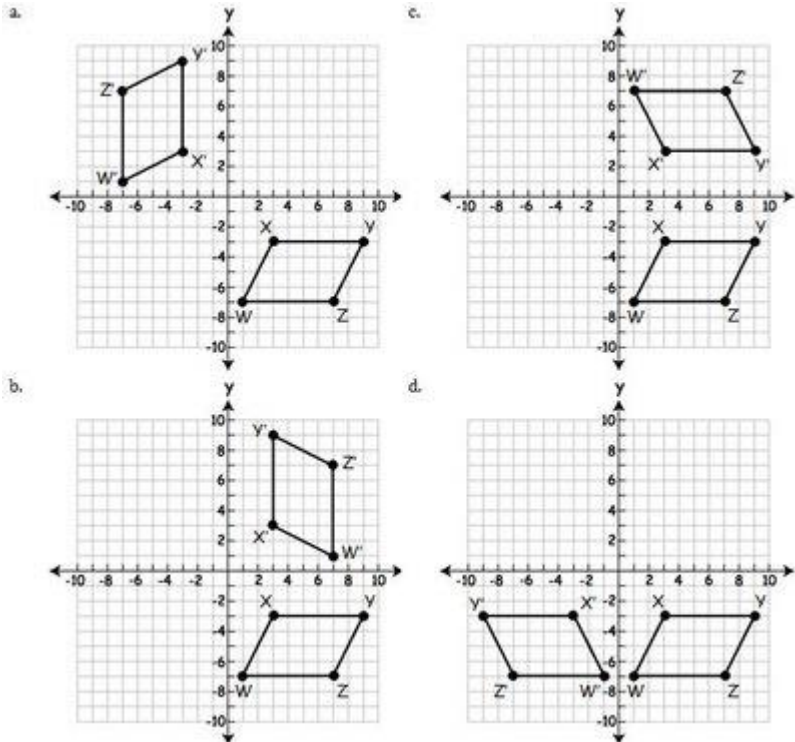
12. Find K' if the figure is reflected across the x-axis

reflection across the x-axis



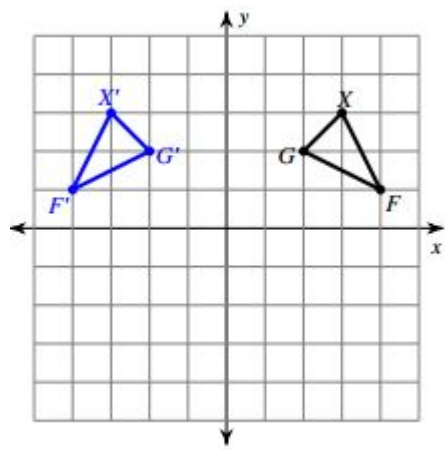
- A. (4, 1)
- B. (1, -4)
- C. (1, 4)**

13. Which answer shows a reflection across the x-axis?



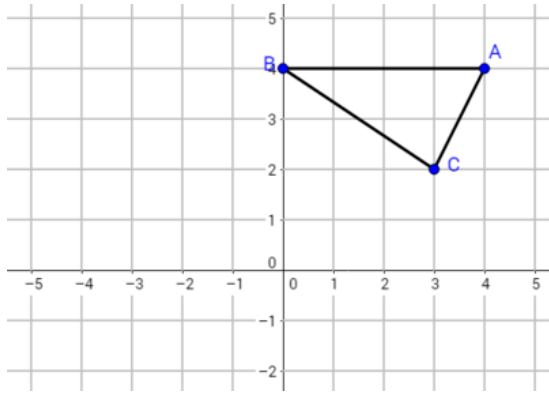
- A. D
- B. C**
- C. B

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)