



ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION



Sub: Algebra Geometry

Class: 7

Date: 13. 05.20

Duration: 40 min

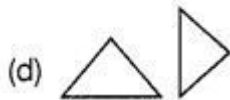
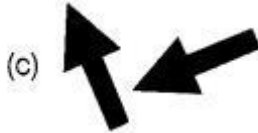
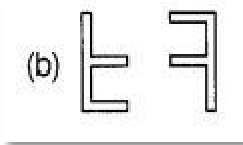
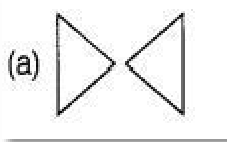
Worksheet 20

Full Marks: 15

REFLECTION

Choose the Correct options:

1. which of the following was reflection to each other?



2. Which of the alphabets do not remain unchanged on reflection

- a. b
- b. U
- c. M
- d. I

3. What does congruent mean?

- a. Same shape and same size
- b. Same shape but not necessarily same size
- c. Different shape and different size
- d. Different shape but same size

4. When an ordered pair is reflected across the x-axis, what changes?

nothing

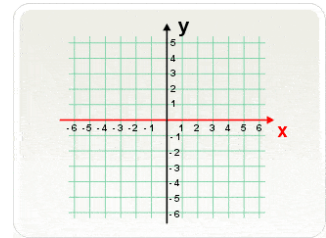
- a. y-value
- b. x-value

5. When you reflect over the y axis, what stays the same?

- a. x stays the same
- b. y stays the same
- c. z stays the same
- d. q stays the same

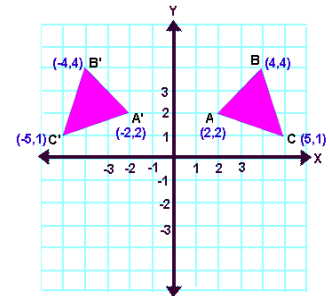
6. What colour is the y-axis?

- a. red
- b. black
- c. green
- d. white



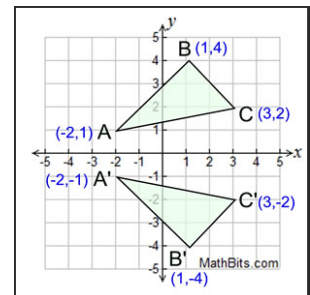
7. What axis is the triangle being reflected over?

- a. X-axis
- b. Y-axis



8. What axis is the image reflected over?

- a. X-axis
- b. Y-axis

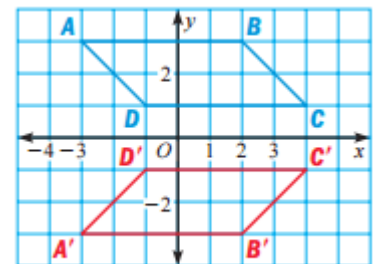


9. State the line of reflection.

- a. Reflection across y-axis
- b. Reflection across x-axis
- c. Reflection across $x = 1$
- d. Reflection across $y = 1$

10. Reflect the point $(2, -4)$ over the y-axis.

- a. $(-4, 2)$
- b. $(-2, 4)$
- c. $(-2, -4)$
- d. $(2, 4)$



11. Another name for Reflection is...

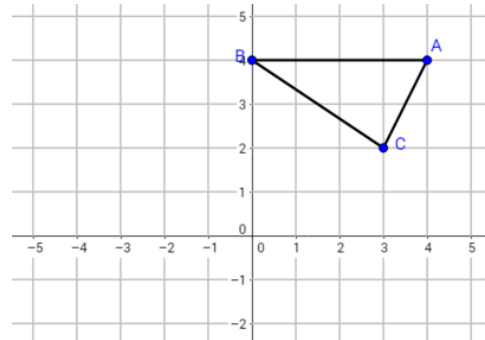
- a. flip
- b. turn
- c. slide
- d. dilation

12. What is the rule for a reflection over the y-axis?

- a. $(x, y) \rightarrow (x, -y)$
- b. $(x, y) \rightarrow (-x, y)$
- c. $(x, y) \rightarrow (-y, x)$
- d. $(x, y) \rightarrow (y, -x)$

13. Flipping a figures is a ...
- a. Rotation
 - b. Reflection
 - c. Dilation
 - d. Translation

14. Reflect Point C over the y-axis:
- a. $(-3, 2)$
 - b. $(3, 2)$
 - c. $(-2, 3)$
 - d. $(3, 0)$



15. Find K' if the figure is reflected across the x-axis
- a. $(4, 1)$
 - b. $(-1, -4)$
 - c. $(1, -4)$
 - d. $(1, 4)$

reflection across the x-axis

