Lesson 35

SS5: Demonstrate an understanding of line and rotational symmetry.

Assignment: Reflections and Rotations

Complete the following questions on loose-leaf and send a pic of your answers to my email Stacey.hayes@nbed.nb.ca.

Label your page p. 76 and number 1- down the left hand size. Write the answer .

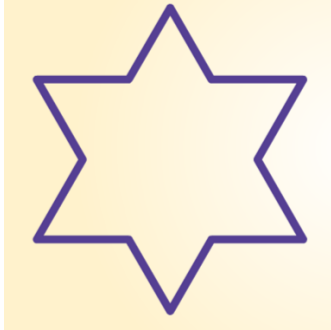1. A line of reflective symmetry divides an object into ___(how many) equal parts.
2. Give an example of a real-life object that is symmetric.
3. Things that turn are called "_____".
4. A full turn is ___ degrees.
5. What size image is reflected in a line symmetry: larger size, smaller size, same size?
6. Corresponding parts of the shape are at _____(what) distance from the line symmetry.
7. In rotational symmetry, an object is rotated around a _____ point.
8. A butterfly has how many vertical lines of symmetry? _____
9. A butterfly has how many horizontal lines of symmetry? _____
10. The letter **H** has how many lines of symmetry. _____
11. What is the order of rotation for an equilateral triangle? _____
12. What is the angle of rotation of an equilateral triangle? _____
13. A square has how many lines of symmetry? _____
14. What is the order of rotation for the following:

15. What is the angle of rotation for #14?

16. How many lines of reflective symmetry are in the letter **Z**?

17. How many lines of reflective symmetry are in this shape?

18. Draw an arrow that shows clockwise.

19. Give a real-life example of a rotation.

20. The number of times an object coincides with itself Is called _____ of _____.

21. What is the formula to find angle of rotation? _____

22. If my order of rotation is 6, what is my angle of rotation? _____

23. On graph paper show the following (original figure and reflected image):
Triangle ABC is reflected in the x axis. A (-6,-2) B (-3,-6) D (-1,-1)