

A. Choose the correct option.

- 1) How many lines of symmetry does a rectangle have?
a) 1 b) 2 c) 3 d) 4
- 2) How many line(s) of symmetry does a scalene triangle have?
a) 1 b) 2 c) 3 d) 0
- 3) How many lines of symmetry does a semi-circle have?
a) 1 b) 2 c) 3 d) innumerable
- 4) Which of these does not have any line symmetry?
a) a square b) a parallelogram
c) the letter D d) a bird
- 5) Which of these has line symmetry?
a) the letter j b) a scalene triangle
c) an irregular quadrilateral d) a kite

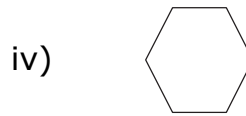
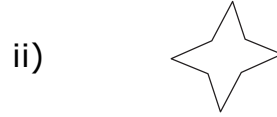
B. Fill in the blanks.

- 1) A line segment is symmetrical about its _____.
- 2) An angle is symmetrical about its _____.
- 3) A rhombus is symmetrical about its _____.
- 4) A rectangle is symmetrical about the _____.
- 5) A square is symmetrical about its _____ and _____.
- 6) A kite is symmetrical about its _____.
- 7) A circle is symmetric about its _____.
- 8) A circle has _____ lines of symmetry.
- 9) If a line segment of length 6 cm is reflected, the length of its reflection will be _____.

10) If an angle of 50° is reflected, the measure of the reflected angle will be _____.

C. Answer the following questions.

1) Draw the lines of symmetry for the following figures. How many lines of symmetry does each have?



2) Classify these words as:

- i) symmetrical about a vertical line
- ii) symmetrical about a horizontal line
- iii) asymmetrical

MOM, HIDE, SEEK, WOW, NOON, BED, TOOT

3) Draw the mirror image along the vertical line:

i) **M**
U
S
I
C |

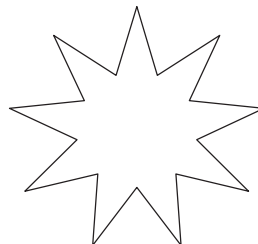
ii) **GREAT** |

4) How many lines of symmetries do each of the following figures have? Draw them.

1)

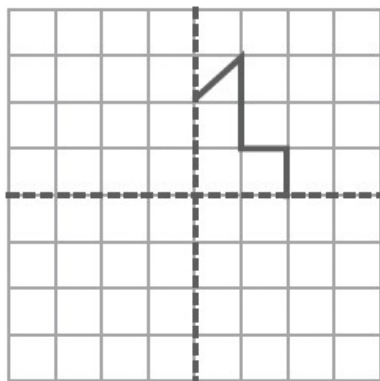


2)



5) Complete the given figures such that the final figures have the two dotted lines as the two lines of symmetry:

1)



2)

