Q1. Match the quadrilateral with the number of lines of symmetry each of them has:

Quadrilateral	Number of lines of symmetry
Square	0
Rectangle	1
Kite	2
Trapezium	4

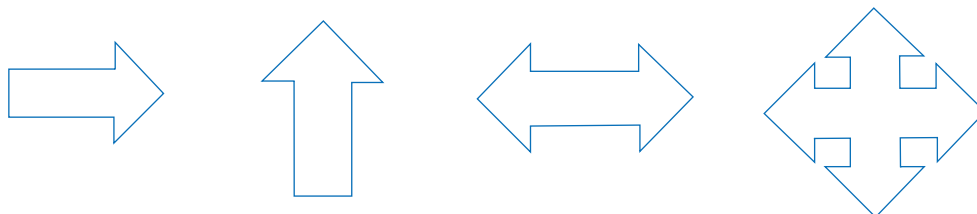**Q2. Fill in the blanks:**

a. A regular hexagon has _____ lines of symmetry.

b. A semi-circle has _____ line(s) of symmetry.

c. A _____ is a quadrilateral having all sides equal and only two lines of symmetry.

d. A regular _____ has 8 lines of symmetry.

Q3. Write the odd number(s) from 2 to 9 which have at least one line of symmetry.

Answer: _____

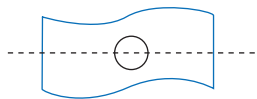**Q4. In the following figures draw the lines of symmetry for the figures which have at least two lines of symmetry:**

Q5. State true or false:

a. In the English alphabet only one vowel has no line of symmetry.   _____

b. All hexagons have 6 lines of symmetry.   _____

c. All the diameters of a circle are its line of symmetry.   _____

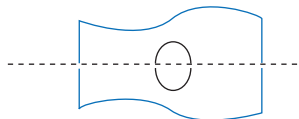d. All the diagonals of a rectangle are its line of symmetry.   _____

1

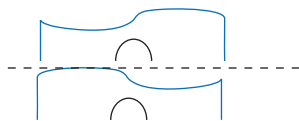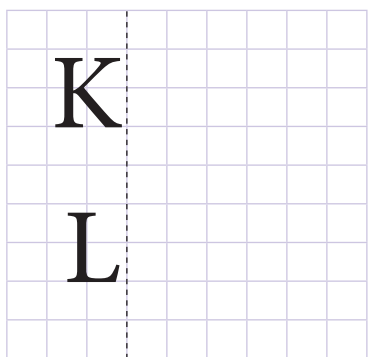**Q6.** Choose the correct mirror image of the following figure if the dotted line is the mirror line:

a.

b.

c.

Q7. Draw the reflection of the following letters about the vertical line as mirror line:

K

L

Q8. List any two letters of the English alphabet that have:
a. Only vertical line of symmetry   : _____
b. Both vertical and horizontal lines of symmetry   : _____

Q9. Construct ∠XYZ = 60° and draw its line of symmetry.

Q10. Give one word for:
a. The line of symmetry of a circle: _____
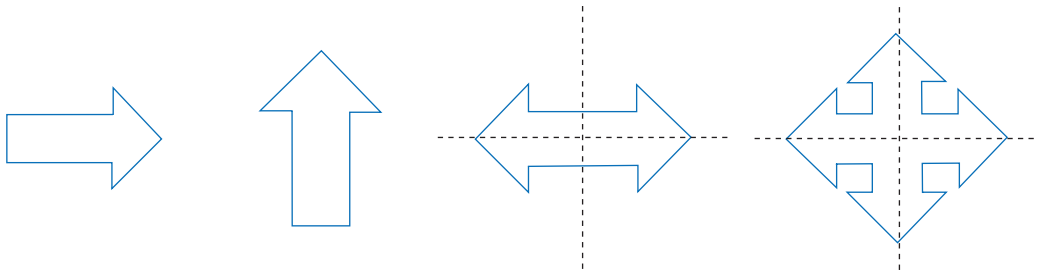b. The line of symmetry of an angle: _____

1.

Quadrilateral	Number of lines of symmetry
Square	4
Rectangle	2
Kite	1
Trapezium	0

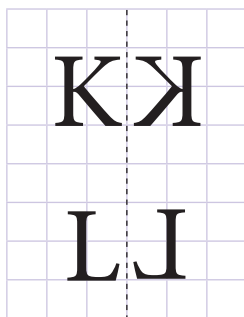2. a. 6,   b. 1,   c. rhombus,   d. octagon

3. 3

4.

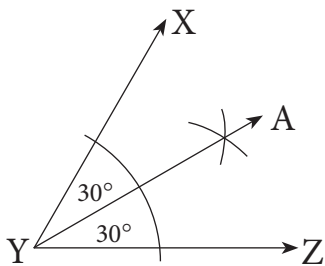5. a. False,   b. False,   c. True,   d. False

6. (b) is correct

7.

8. a. A, M;   b. O, H

9.

YA is the line of symmetry of ∠XYZ.

10. a. Diameter,   b. Angle bisector