Choose the correct option:

Q1) In the figure below, the mirror line or the axis of symmetry is ____.

![Diagram with axes q, p, l, m]

a) line q  
b) line p  
c) line l  
d) line m

Q2) The number of lines of symmetry of compass is

a) 1  
b) 2  
c) 0  
d) None of these

Q3) Name the quadrilaterals whose lines of symmetry are its diagonals?

Q4) State True or False

a) The letter N has one line of symmetry.

b) Every hexagon has six lines of symmetry.

c) All right angled triangles have one line of symmetry.

d) A triangle with more than one line of symmetry must be an equilateral triangle.

e) A line of symmetry divides a figure into two identical parts.
Q5) Draw a rough figure of the following shapes and show how many lines of symmetry they possess:
   a) Line
   b) Line Segment
   c) Angle
   d) Semicircle
   e) Circle
   f) Arrow Head

Q6) Fill in the blanks:
   a) A rectangle has --------- lines of symmetry.
   b) A regular hexagon has --------- lines of symmetry.
   c) A------------triangle has 3 lines of symmetry.
   d) A ---------triangle has no lines of symmetry.
   e) A rhombus has -------------- lines of symmetry where as a square has --------- lines of symmetry.
   f) A kite has ---------- lines of symmetry.
   g) The number of lines of symmetry which a triangle cannot have is ------
   h) The letter S has ------ line(s) of symmetry.

Q7) Can you draw a triangle which has:
   i. Exactly one line of symmetry.
   ii. Exactly two lines of symmetry.
   iii. Exactly three lines of symmetry.
   iv. No line of symmetry.
   v. Horizontal line of symmetry but no vertical line of symmetry.