



INDIAN SCHOOL NIZWA - WORKSHEET

MATHEMATICS

CH: 5 : Lines and Angles

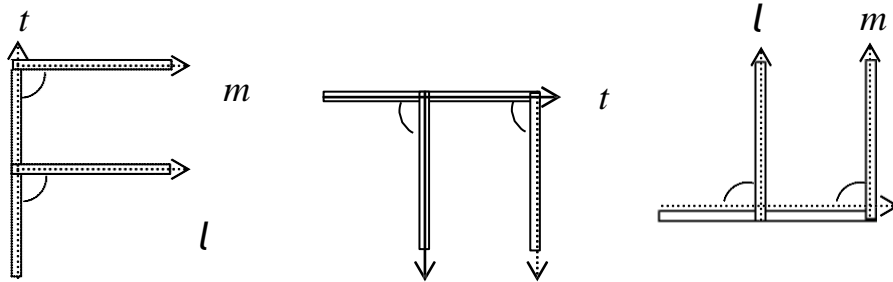
Name: _____

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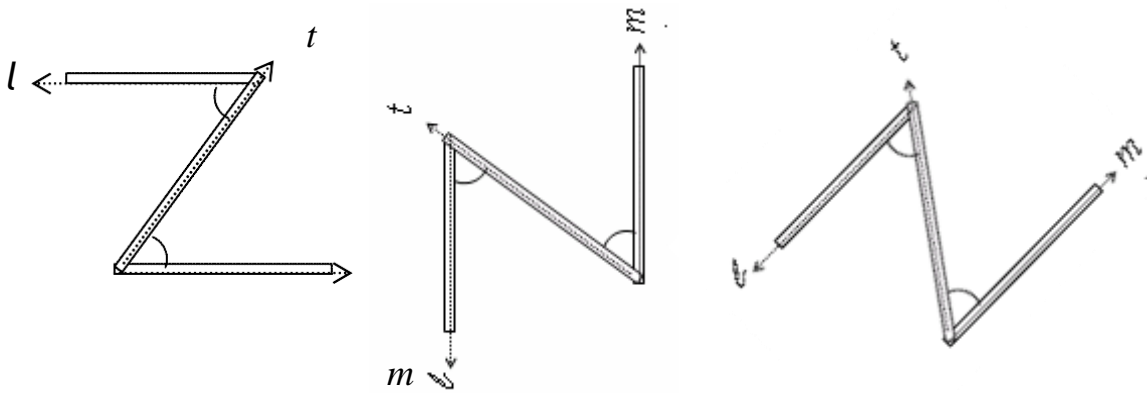
Class: VII Sec: ____

Q.1. Have you ever noticed that

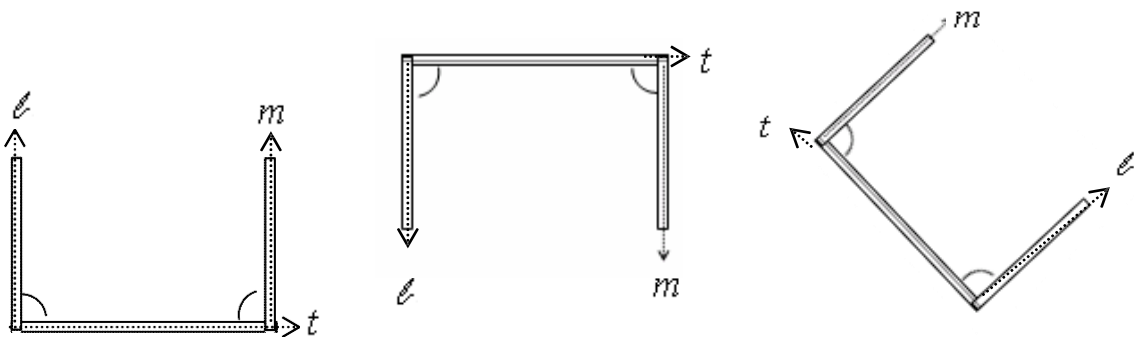
(i) The simplest diagram for a pair of corresponding angles is an F shape.



(ii) The simplest diagram for a pair of alternate angles is a Z shape.



(iii) The simplest diagram for a pair of interior angles is a U- shape.



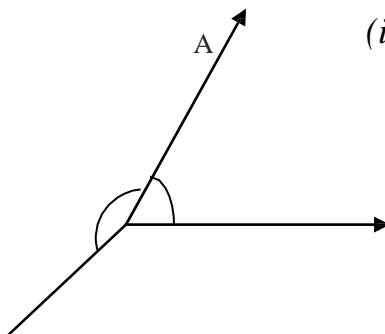
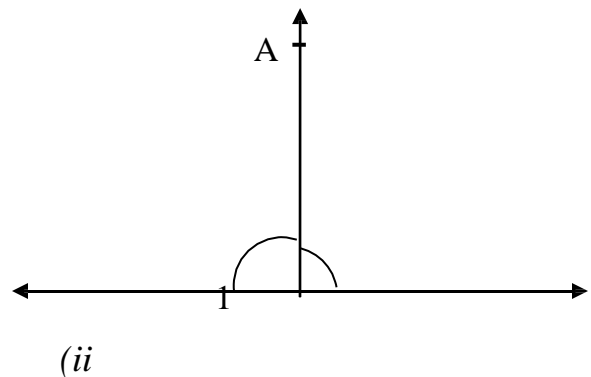
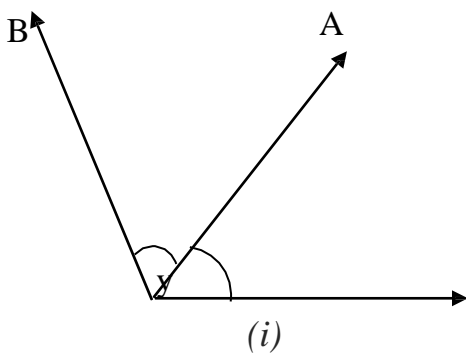


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Q.1. Fill in the blanks-

- (i) A _____ occupies a position and its location can be determined.
- (ii) A _____ is straight and extends indefinitely in both directions.
- (iii) A _____ is a flat surface which extends infinitely in all directions.
- (iv) Through a given point in a plane, _____ lines can be drawn.
- (v) Exactly _____ line passes through two distinct given points in a plane and it lies wholly in that plane.
- (vi) Two lines in a plane either _____ at exactly one point or are _____.
- (vii) Three or more points in a plane are _____ if all of them lie on the same line.
- (viii) Three or more lines are _____ if all of them pass through the same point. This point is called their point of _____.
- (ix) A _____ is a portion of a line and its end points are fixed.
- (x) A _____ starts from a fixed point and extends endlessly in one direction.
- (xi) An _____ is a figure formed by two rays with the same initial point.
- (xii) Two angles with a common vertex, a common arm and the other arms lying on the opposite sides of the common arm form a pair of _____ angles.
- (xiii) Adjacent angles whose two non-common arms are opposite rays form a _____ pair.
- (xiv) Two angles whose sum is 180° are called _____ angles.
- (xv) A line which intersects two or more given lines at distinct points is called a _____ to the given lines.
- (xvi) Lines in a plane which do not intersect are called _____ lines.
- (xvii) The distance between two parallel lines is _____.

Q.2. In which of the following figures, the pairs of angles are adjacent? Complete the table on the basis of your observations:

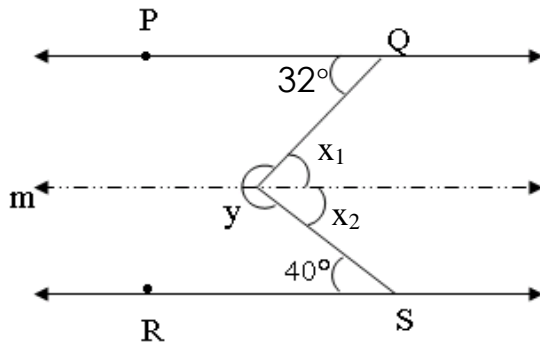




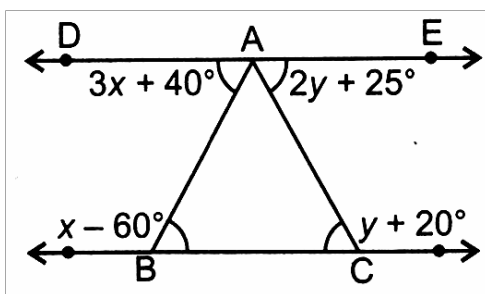
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Figure	Common vertex	Common arm	Non common arms	Are the angles adjacent?
(i)				
(ii)				
(iii)				

Q.3. In the given figure, $PQ \parallel RS$, find y .



Q.4. In the given figure $DE \parallel BC$. Find the measure of x and y .





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