



Name: _____

Date :

Class: 7 Div: _____

Subject: Math

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Ch 5 – Lines And Angles

Q.1) Choose the correct option.

- 1) One of the angles forming a linear pair is a right angle. What will be the other angle?
a) Obtuse b) Acute c) Right Angle d) None of these
- 2) One of the angles forming a linear pair is an acute angle. What will be the other angle?
a) Obtuse b) Acute c) Right Angle d) None of these
- 3) Which of the following pairs of angles is complementary?
a) 56° and 34° b) 31° and 149° c) 42° and 239° d) 39° and 329°

Q.2) Fill in the blanks.

- a) If two lines intersect then the Vertically opposite angles are _____.
- b) A line which intersects two or more lines at distinct points is called a _____.
- c) You can draw _____ transversals on a line.
- d) If two lines are intersected by a transversal such that any pair of corresponding angles are equal then the lines are _____.

Q.3) State whether the following statements are true or false.

- a) If two lines intersect each other then, the vertically opposite angles are equal.
- b) The sum of all angles formed on the same side of a line at a given point on the lines 120° .
- c) The sum of angles around a point is 380° .
- d) Two obtuse angles can be supplementary of each other.
- e) Sum of two supplementary angles is 180° .
- f) Two supplementary angles are always obtuse angles.
- g) Sum of interior angles on the same side of a transversal with two parallel lines is 90° .
- h) A linear pair may have two acute angles.
- i) Distance between two parallel lines remain the same everywhere.
- j) Two parallel lines intersect at infinite point.

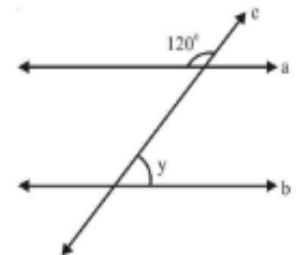
Q.4) Find the complement of each of the following angles.

- a) 55° b) 67° c) 30° d) 43°

Q.5) Find the supplement of each of the following angles.

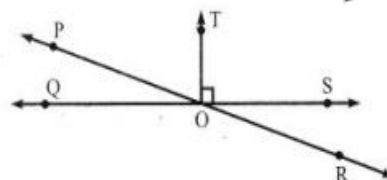
- a) 65° b) 51° c) 105° d) 113°

Q.6) Find the value of y in each of the following figure if a || b.



Q.7) In the following figure name the following pairs of angles:

- a) Obtuse vertically opposite angles.
- b) Adjacent complement angles.
- c) Equal supplementary angles.
- d) Unequal supplementary angles.
- e) Adjacent angles that do not form a linear pair.



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