Lines and Angles

Write True or False in the boxes

1) If two lines intersect in the same plane then these lines must be parallel. ☐

2) If a line intersects two lines then the line is parallel to the two lines. ☐

3) When two straight lines intersect each other at a point then the vertically opposite angles formed at the point of intersection are unequal. ☐

4) The sum of two adjacent angles on a same line is 180°. ☐

5) The distance between two parallel lines remains the same. ☐

6) If two parallel lines are cut by a transversal line then their corresponding angles must be equal. ☐

7) The interior alternate angles are equal, if non parallel lines are cut by a transversal. ☐

8) If line m is parallel to n and n is parallel to p then m is parallel to p. ☐

9) The distance between two intersecting lines is zero. ☐

10) When a transversal cuts two lines such that a pair of alternate exterior angles are unequal then the two lines must be non parallel to each other. ☐