ASSIGNMENT NO. 6

 CHAPTER- LINES & ANGLES

 CLASS- VII SUBJECT- MATHS

Q1. Two complementary angles are( x+4 )0 and ( 2x-7)0, find the value of x.

Q2. In the given figure, straight lines AB and CD intersect

 each other at O. 1

1. Is ˂1 adjacent to <2 ? 2
2. Is <AOC adjacent to <AOE ? 5 O
3. Do <COE and <EOD form a linear pair ? 4 3
4. Are <BOD and <DOA supplementary ?
5. What is the vertically opposite angle of <5 ?

Q3. If two angels are supplementary angles and one is 30 less than twice the other, find the angels.

Q4. Two adjacent angles are in the ratio 5:3 and they together form an angle of 128 , find

 these angels.

 P

Q5. In the adjoining figure, lines l and m are parallel.

 Find the values of x,y and z. l

 500

 Y x

 z m

Q6. In the adjoining figure, QP||RS.

 Find the values of a , b and c. P S

 840

 b

 550 c a

 **Q**

 R

Q7. Fill in the blanks:-

1. Adjacent angels have a common vertex, a common \_\_\_\_\_ and no common \_\_\_\_\_
2. Corresponding angles are on the \_\_\_\_\_\_ side of transversal.
3. Alternate interior angles have one common \_\_\_\_\_\_.
4. If two angles are complementary, then the sum of their measures is \_\_\_\_\_.
5. Two lines in a plane which never meet are called \_\_\_\_\_\_.

Q8. i) Can two acute angles be complement to each other?

ii) Can two right angles form a linear pair?

iii) Can two obtuse angles be adjacent?

Q9. Two complementary angles are in the ratio 2:3 , find these angles.

Q10. In the figure, lines l and m are parallel. l

 Find the value of x.

 m

 x 550