

MATHS ASSIGNMENT CLASS 9 2014-15 CHAPTER –6 LINES AND ANGLES (submission date 11-8-2014)

Q-1 If angles a and b form a linear pair of angles and $a-2b=30$ then find the value of a .

Q-2 If the angles of a triangle are in ratio of $2 : 3 : 4$, find all the three angles

Q-3 If two complementary angles are in the ratio of $13:5$, find the angles

Q-4 In triangle ABC, $\angle A + \angle B = 122$ and $\angle B + \angle C = 111$, find the measure of all the three angles.

Q-5 ABC is a right angled triangle $\angle A = 90$ and $AB = AC$, find the values of $\angle B$ and $\angle C$.

Q-6 Answer the following also give reasons/example to support your answer.

(1) How many triangles can be drawn having its angles as (a) $53, 64$, and 63 (b) $45, 64$, and 72 ?

(2) Can a triangle have (a) All angles equal ? (b) two obtuse angle?