BCM SCHOOL, BASANT AVENUE DUGRI, LUDHIANA

CLASS IX

SUBJECT: MATHEMATICS

ANSWER KEY OF ASSIGNMENT - 2

Ch4 Linear equations in two variables , Ch7 Triangles

Q5 Firstly prove $\Delta\,QES \cong \Delta\,RFS$ by AAS congruency

$\therefore$ QE=RF by c.p.c.t

Q6 $3x + y = 5$ intersects x axis at point $\left(\dfrac{5}{3}, 0\right)$

Intersects y axis at point (0,5)

Q7 $\angle ADC = \angle BCD$ (each 90^0)

$\angle CDE = \angle DCE$ (each 60^0)

$\therefore \angle ADE = \angle BCE = 150^0$

In ΔADE and ΔBCE

AD = BC

DE = CE

$\angle ADE = \angle BCE$

$\Delta ADE \cong \Delta BCE$ (SAS congruency)

Q8 (i) At right angle

(ii) $\triangle CEB$

(iii) SSS criteria