Lesson 12

12.1 Vicious Questions

Solve these **VICIOUS** pairs of simultaneous equations;

12.2 Exercise

Marks Available : 36

Question 1

$$\left. \begin{array}{r} 5x - 6y = -20 \\ -3x - 6y = -36 \end{array} \right\}$$

Hint : Multiply the lower equation by -1

[6 marks]

Question 2

$$\left. \begin{array}{r} 4y - 5x = 2 \\ -2y - 5x = -16 \end{array} \right\}$$

[6 marks]

Question 3

$$3y + 7x = 8$$
$$-3y + 7x = 20$$

[6 marks]

Question 4

$$8x + 3y = -23$$
$$-5x - 3y = 11$$

[6 marks]

Question 5

$$\left.\begin{array}{rcr} -7y - 4x &=& -31 \\ 3y - 4x &=& 19 \end{array}\right\}$$

[6 marks]

Question 6

$$\left.\begin{array}{rcr} 6x - 4y &=& 4 \\ 4x - 4y &=& -4 \end{array}\right\}$$

[6 marks]