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Question 3

No:

Date:

C1

i) ~~when~~ $(2x - y) = -10$ given $x = 1$

~~$(2(1) - y) = -10$~~

$2(1) - y = -10$

~~$2 - y = -10$~~

$2 - y = -10$

~~$2 + 10 = y$~~

$12 = y$ $y = 12$

ii) $(2y - x) - (x - 2) = 10$ given $x = 2$

~~$(2y - 2) - (2 - 2) = 10$~~

$2y - 2 - (2 - 2) = 10$

~~$2y - 2 = 10$~~

$2y - 2 = 10$

~~$2y - 2 + 2 = 10 + 2$~~

$2y = 12$

~~$2y = \frac{8}{2}$~~

$y = 6$

~~$y = 4$~~

Question 2.

$$\begin{array}{l} 2x - 3y = 5 \quad \text{--- (1)} \\ 2x - 4y = -2 \quad \text{--- (2)} \end{array}$$

$$\begin{array}{r} 2x - 3y = 5 \\ \rightarrow 2x - 4y = -2 \\ \hline -y = 7 \\ y = -7 \end{array}$$

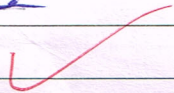
$y = -7$ Substitute $y = -7$ into (2)

$$2x - 4(-7) = -2$$

$$2x - 28 = -2$$

$$2x - 28 + 28 = -2 + 28$$

$$\frac{2x}{2} = \frac{26}{2} \quad x = 13 \quad \Rightarrow y = -7, x = 13$$

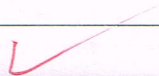


$$2x - 4(7) = -2$$

$$2x - 28 = -2$$

$$2x = -2 + 28 = 26$$

$$x = 13$$



Question 3

Subject:

Date:

CLO1

(C3)

i. $P = 3200$
 $R = 8\%$
 $T = 3 \text{ years}$

$$I = \frac{3200 \times 8 \times 3}{100}$$

$$= \text{RM } 768$$

$$\text{Total} = 3200 + 768 = \text{RM } 3968$$

ii.

$$A = 7500$$

$$P = 7500$$

$$r = 6\%$$

$$t = 3 \text{ years}$$

$$A = 7500 (1 + 0.6)^3$$

$$= 7500 (1.6)^3$$

$$= 30720$$