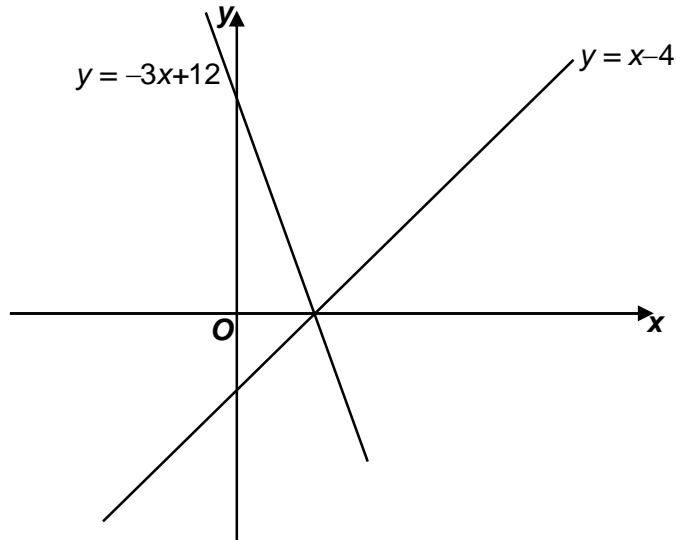


MODUL 5
MATEMATIK SPM "ENRICHMENT"
TOPIC : INEQUALITIES
MASA : 1 JAM

- 1 On the graph provided, shade the region which satisfies the three inequalities $y \leq -3x + 12$, $y > -4$ and $y \leq x - 4$.

[3 marks]

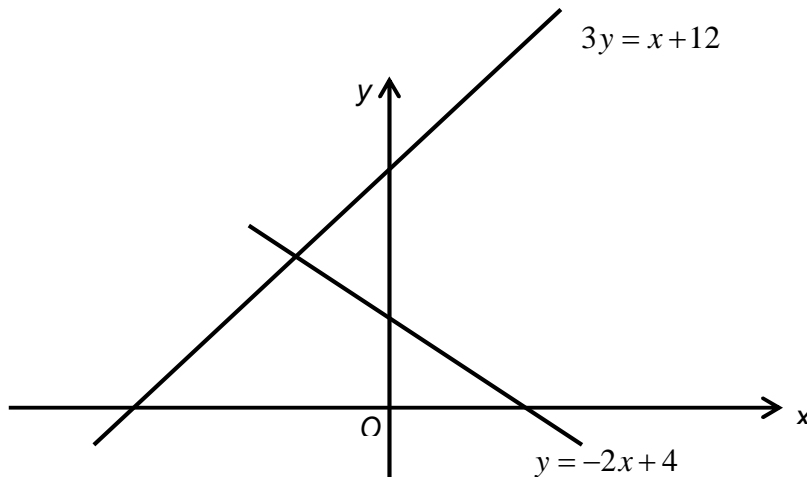
Answer:



2. On the graph in the answer space, shade the region which satisfies the three inequalities $3y \leq x + 12$, $y \geq -2x + 4$ and $x < 2$.

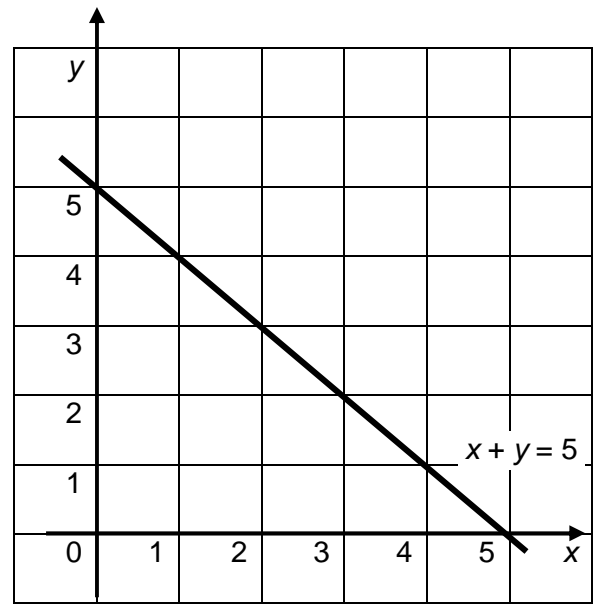
[3 marks]

Answer :

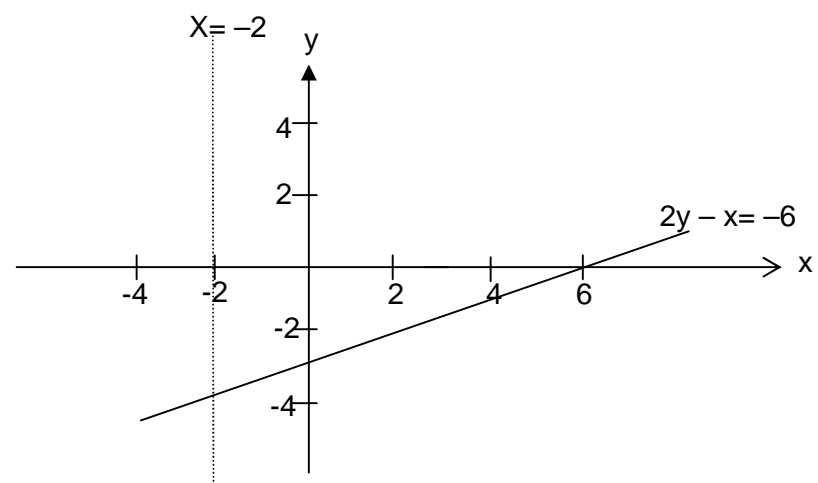


- 3 On the graph, shade the region that satisfies all three inequalities :
 $y > x$, $x + y \leq 5$ and $x \geq 0$. [3 marks]

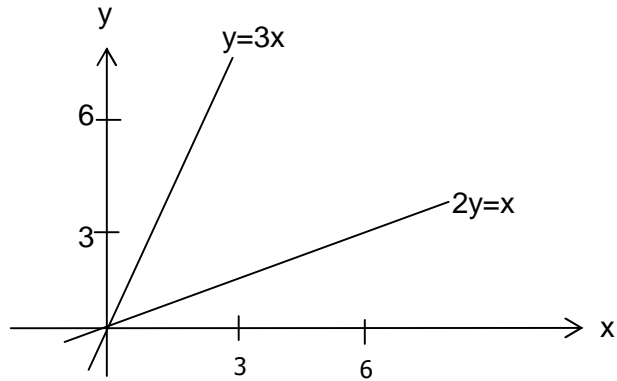
Answer :



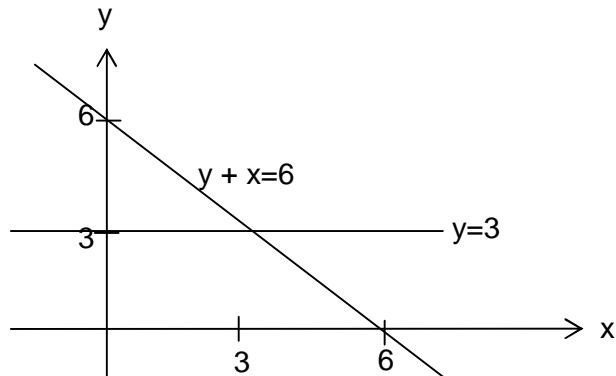
4. On the graph in the answer space, draw the line $x + y = 3$. Hence, shade the region which satisfies the three inequalities
 $x + y \leq 3$, $2y - x \geq -6$ and $x > -2$



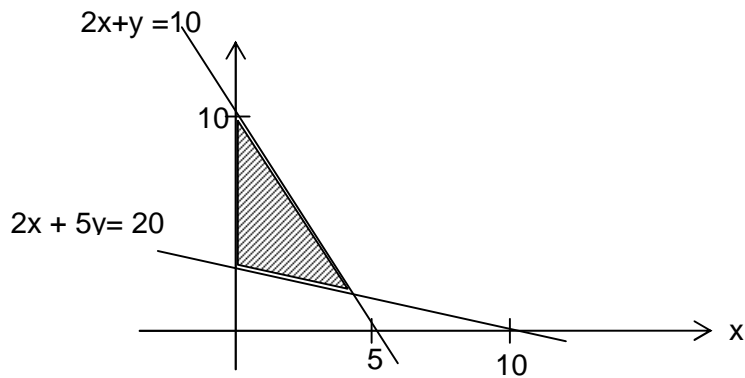
5. On the graph in the answer space, shade the region which satisfies the three inequalities $y \leq 3x$, $2y \geq x$ and $y + x \leq 6$.

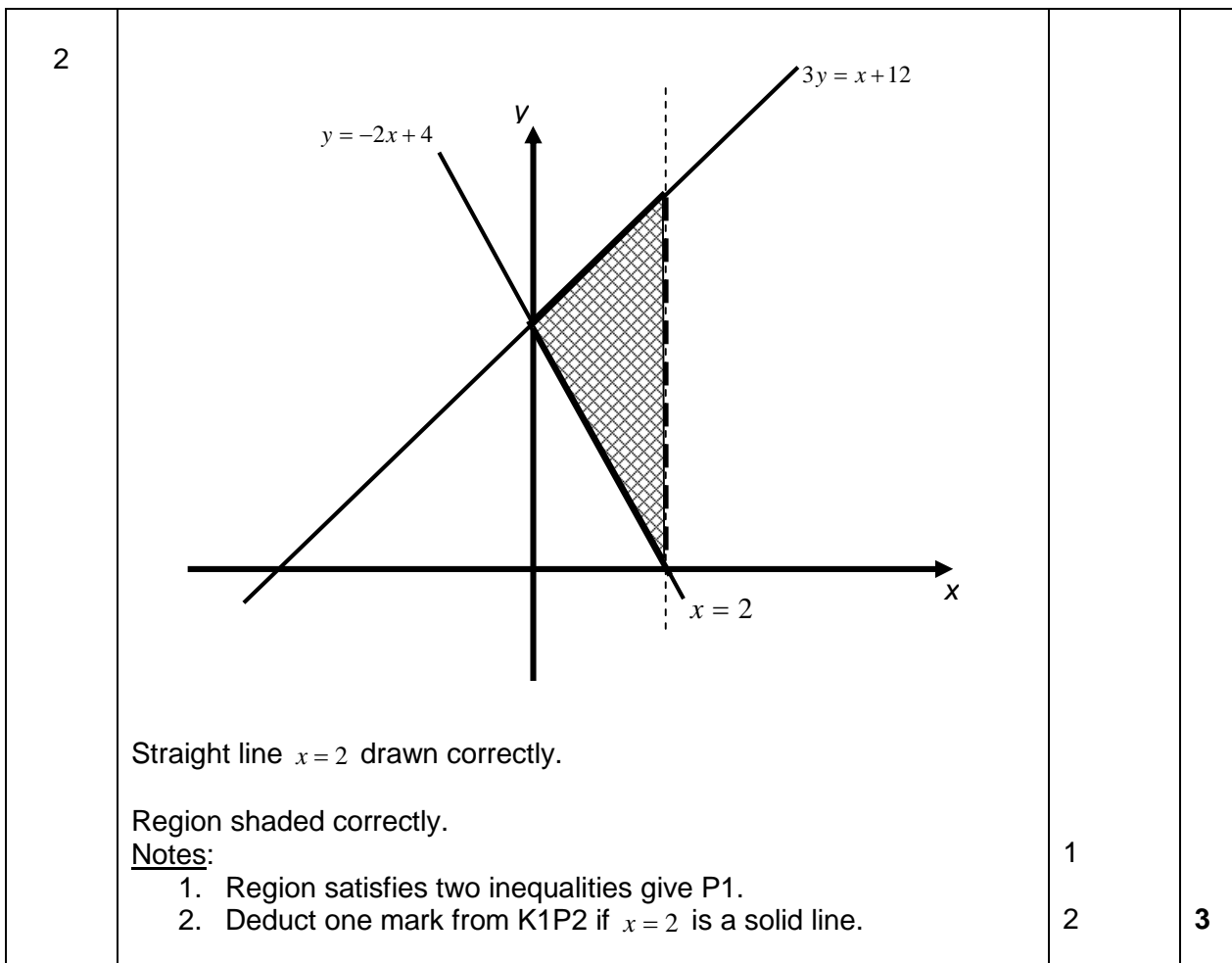
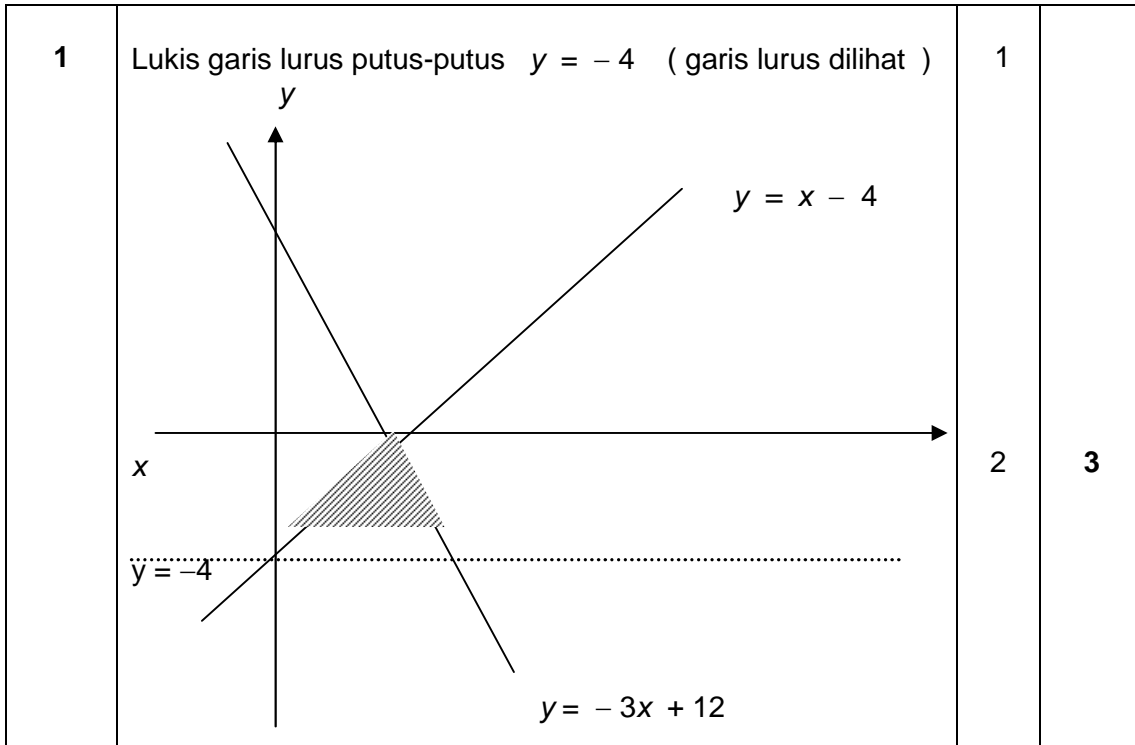


6. Draw the line $2x + y = 6$. Hence, shade the region which satisfies the three inequalities $y > 3$, $2x + y \geq 6$ and $x + y \leq 6$.

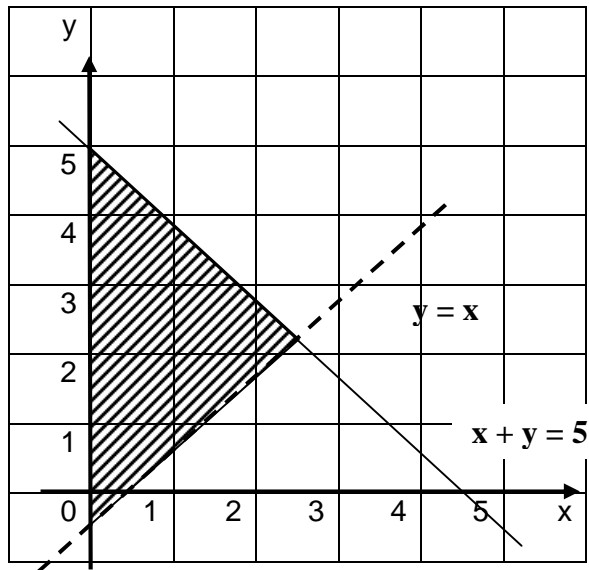


7. Find the three inequalities which satisfy the shaded region in the diagram below.





3



Garis $y = x$ dilukis dengan betul
Rantau dilorek dengan betul
(Tolak 1 markah daripada K1P2 jika $y = x$ garis penuh

1
2

3