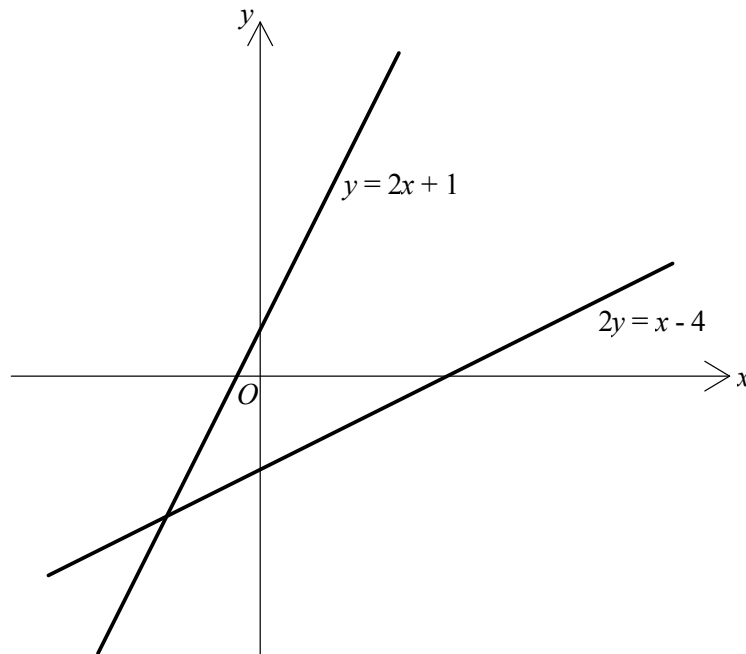


MODULE MATHEMATICS: Inequalities

1. On the graph in the answer space, shade the region which satisfies the three inequalities $2y \geq x - 4$, $y \leq 2x + 1$ and $y < 1$.

[3 marks]

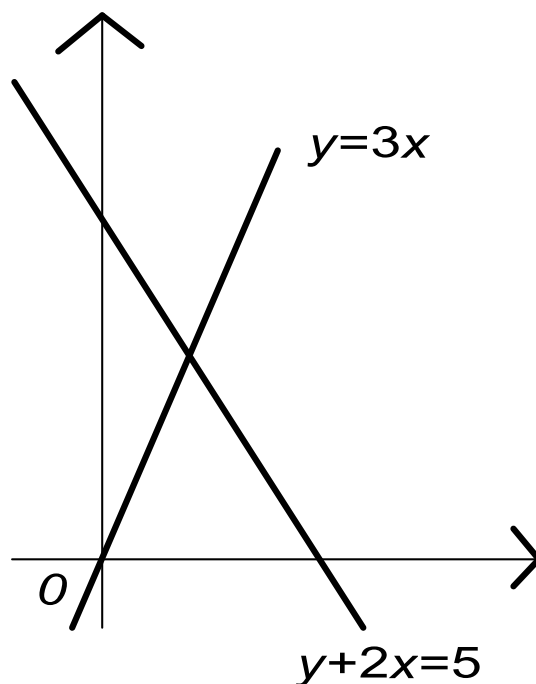
Answer :



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

[3 marks]

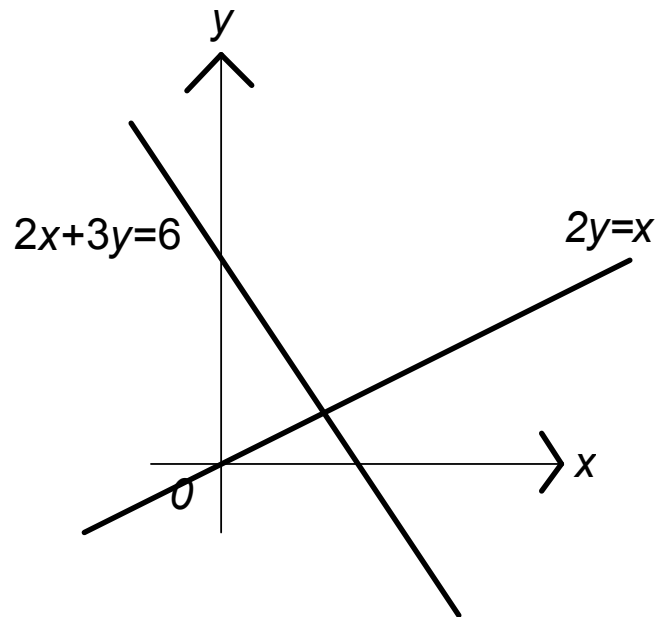
Answer :



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

[3 marks]

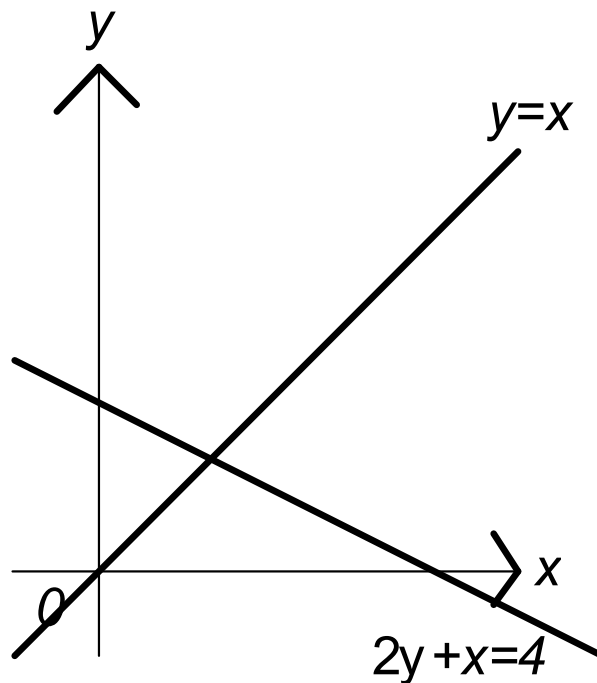
Answer :



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

[3 marks]

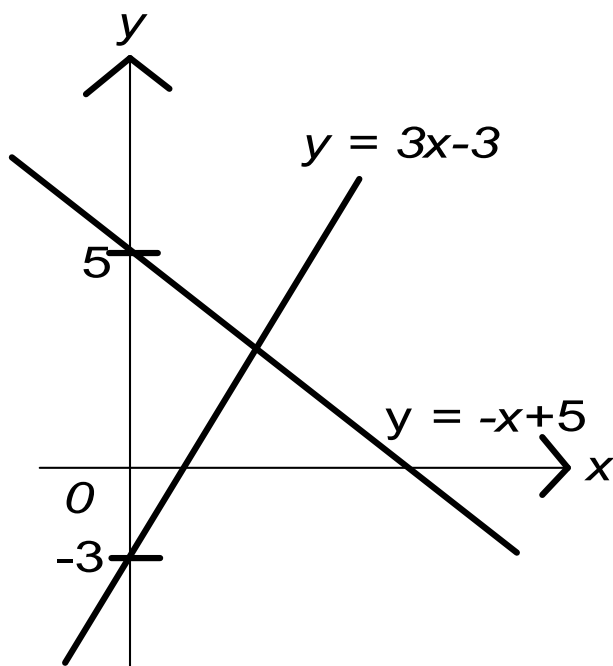
Answer :



5. On the graph in the answer space, shade the region which satisfies the three inequalities $y \geq 3x - 3$, $y \leq -x + 5$ and $x \geq 0$.

[3 marks]

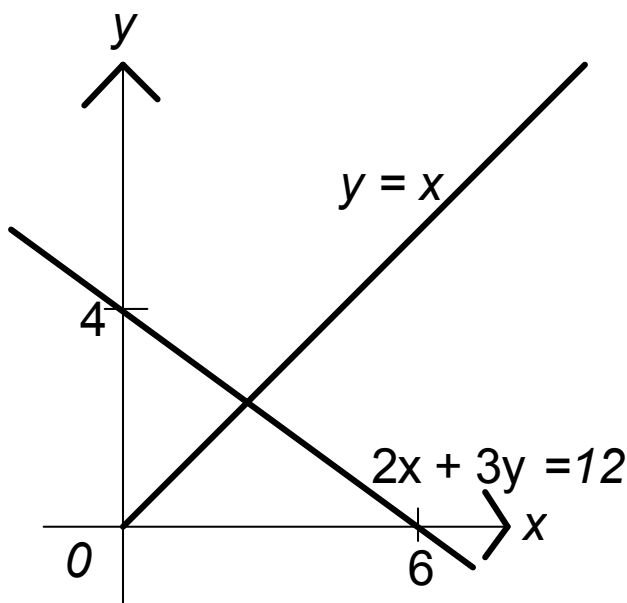
Answer :



6. On the graph in the answer space, shade the region which satisfies the three inequalities $2x + 3y \geq 12$, $y \leq x$ and $x < 6$.

[3 marks]

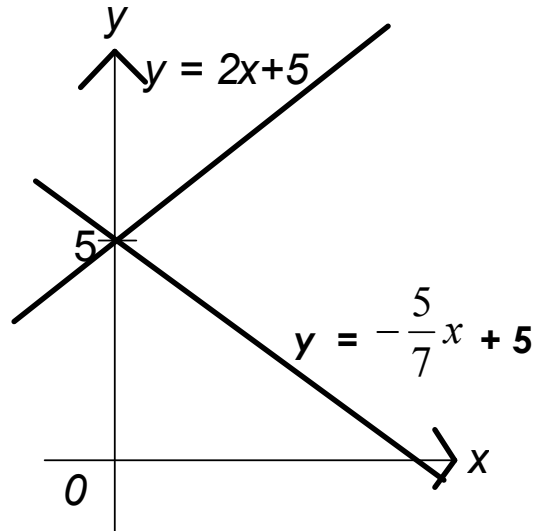
Answer :



7. On the graph in the answer space, shade the region which satisfies the three inequalities $y \geq -\frac{5}{7}x + 5$, $y \leq 2x + 5$ and $x < 7$.

[3 marks]

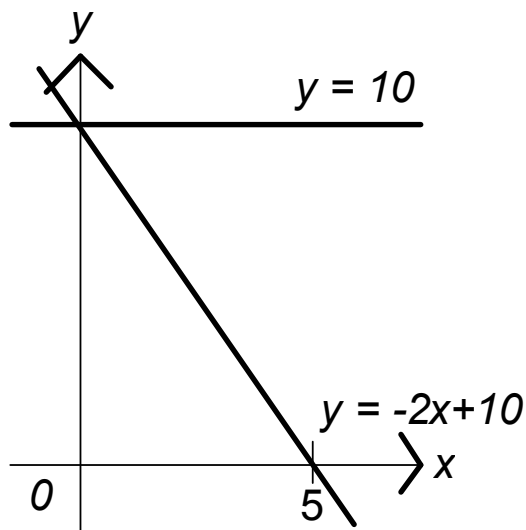
Answer :



8. On the graph in the answer space, shade the region which satisfies the three inequalities $y \geq -2x + 10$, $y \leq 10$ and $x < 5$.

[3 marks]

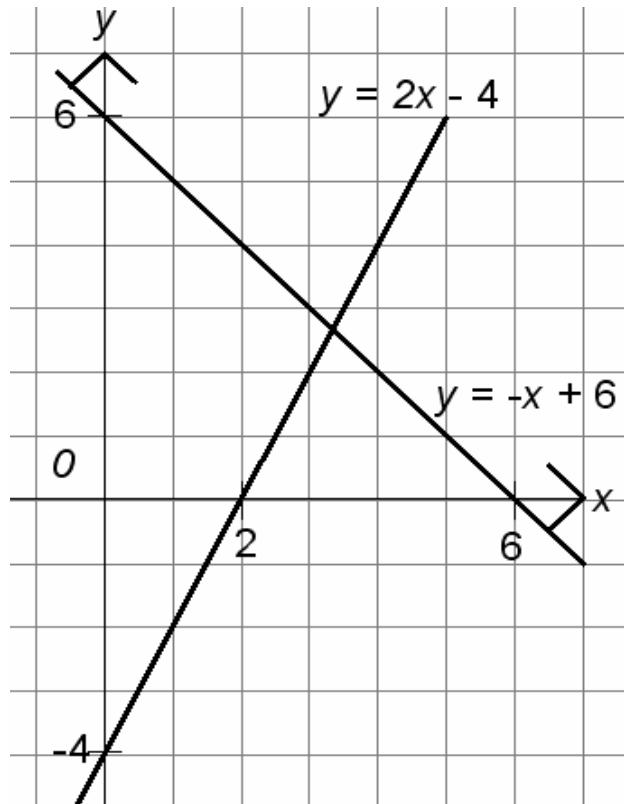
Answer :



9. On the graph in the answer space, shade the region which satisfies the three inequalities $y \geq -2x - 4$, $y \leq -x + 6$ and $x > 1$.

[3 marks]

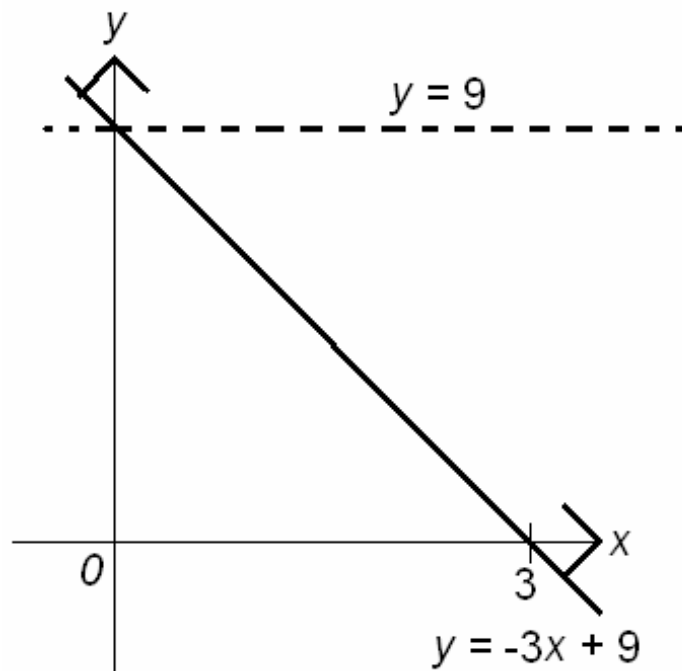
Answer:



10. On the graph in the answer space, shade the region which satisfies the three inequalities $y \geq -3x + 9$, $y < 9$ and $x \leq 3$.

[3 marks]

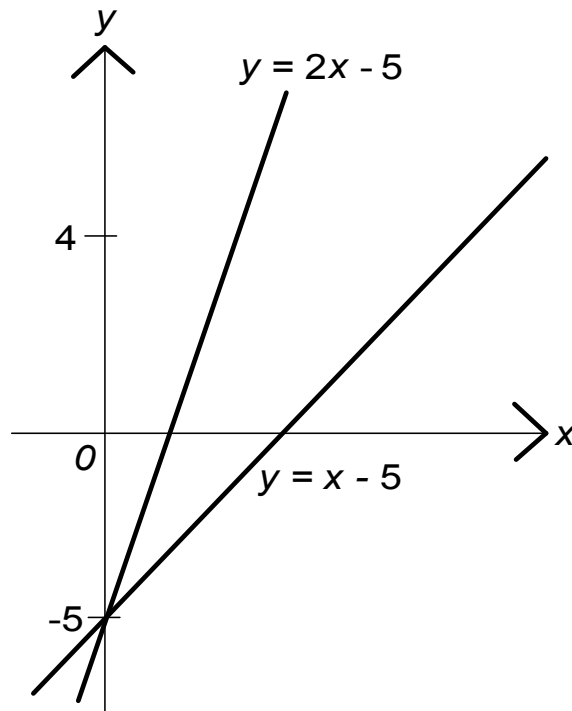
Answer:



11. On the graph in the answer space, shade the region which satisfies the three inequalities $y \leq 2x - 5$, $y \geq x - 5$ and $y < 4$.

[3 marks]

Answer:



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

[3 marks]

Answer:

