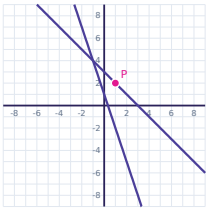
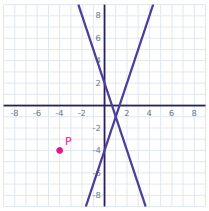
Task card 1 Systems of Linear Inequalities

Is P(1, 2) a solution of the system $y \geq -x + 3$ and $y \geq -3x + 1$? Answer yes or no.



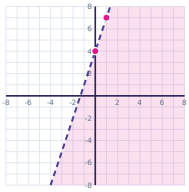
Task card 2 Systems of Linear Inequalities

Is P(-4, -4) a solution of the system $y \leq 3x - 4$ and $y \leq -3x + 2$? Answer yes or no.



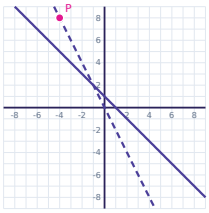
Task card 3 Systems of Linear Inequalities

Write the inequality shown in the graph. The boundary line is dashed.



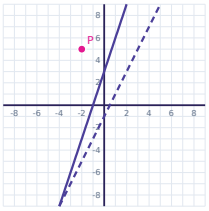
Task card 4 Systems of Linear Inequalities

Is P(-4, 8) a solution of the system $y > -2x$ and $y \geq -x + 1$? Answer yes or no.



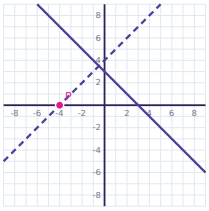
Task card 5 Systems of Linear Inequalities

Is P(-2, 5) a solution of the system $y > 2x - 1$ and $y \geq 3x + 3$? Answer yes or no.



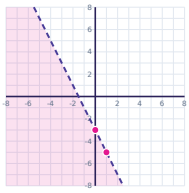
Task card 6 Systems of Linear Inequalities

Is P(-4, 0) a solution of the system $y < x + 4$ and $y \geq -x + 3$? Answer yes or no.



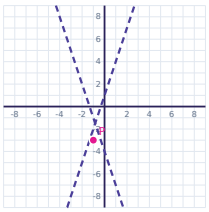
Task card 7 Systems of Linear Inequalities

Write the inequality shown in the graph. The boundary line is dashed.



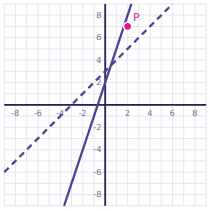
Task card 8 Systems of Linear Inequalities

Is P(-1, -3) a solution of the system y < 3x + 1 and y > -3x - 4? Answer yes or no.



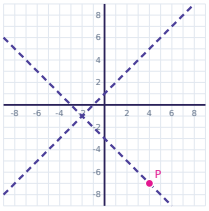
Task card 9 Systems of Linear Inequalities

Is P(2, 7) a solution of the system y > x + 3 and y ≤ 3x + 2? Answer yes or no.



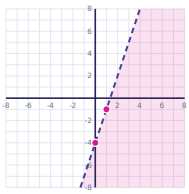
Task card 10 Systems of Linear Inequalities

Is P(4, -7) a solution of the system y > -x - 3 and y > x + 1? Answer yes or no.



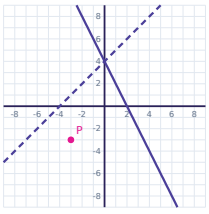
Task card 11 Systems of Linear Inequalities

Write the inequality shown in the graph. The boundary line is dashed.



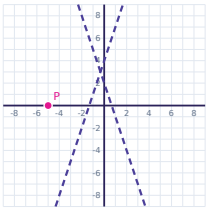
Task card 12 Systems of Linear Inequalities

Is P(-3, -3) a solution of the system y ≥ -2x + 4 and y < x + 4? Answer yes or no.



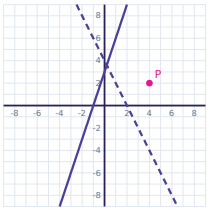
Task card 13 Systems of Linear Inequalities

Is P(-5, 0) a solution of the system y < -3x + 2 and y > 3x + 4? Answer yes or no.



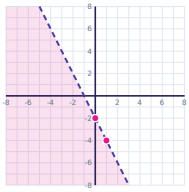
Task card 14 Systems of Linear Inequalities

Is P(4, 2) a solution of the system y < -2x + 4 and y ≥ 3x + 3? Answer yes or no.



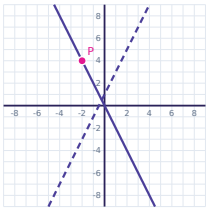
Task card 15 Systems of Linear Inequalities

Write the inequality shown in the graph. The boundary line is dashed.



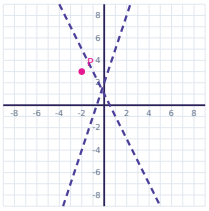
Task card 16 Systems of Linear Inequalities

Is P(-2, 4) a solution of the system y ≤ -2x and y < 2x + 1? Answer yes or no.



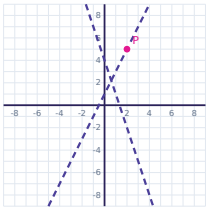
Task card 17 Systems of Linear Inequalities

Is P(-2, 3) a solution of the system y > 3x + 2 and y < -2x + 1? Answer yes or no.



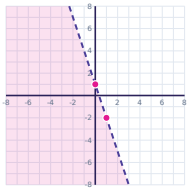
Task card 18 Systems of Linear Inequalities

Is P(2, 5) a solution of the system y > 2x + 1 and y > -3x + 4? Answer yes or no.



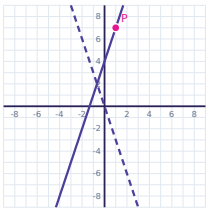
Task card 19 Systems of Linear Inequalities

Write the inequality shown in the graph. The boundary line is dashed.



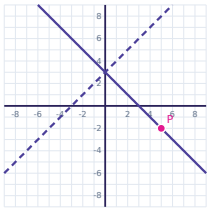
Task card 20 Systems of Linear Inequalities

Is P(1, 7) a solution of the system y ≥ 3x + 4 and y < -3x? Answer yes or no.



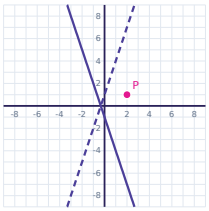
Task card 21 Systems of Linear Inequalities

Is P(5, -2) a solution of the system y ≤ -x + 3 and y < x + 3? Answer yes or no.



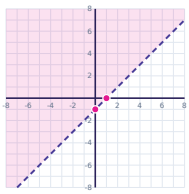
Task card 22 Systems of Linear Inequalities

Is P(2, 1) a solution of the system y ≤ -3x - 1 and y > 3x + 1? Answer yes or no.



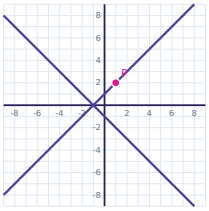
Task card 23 Systems of Linear Inequalities

Write the inequality shown in the graph. The boundary line is dashed.



Task card 24 Systems of Linear Inequalities

Is P(1, 2) a solution of the system y ≤ x + 1 and y ≤ -x - 1? Answer yes or no.



Systems of Linear Inequalities Task Cards

Recording sheet · Grade 9 · Answer yes or no, or write the inequality. A dashed boundary line means < or >; a solid line means ≤ or ≥.

Name: _____ Date: _____

Scan to check your answers

1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16
17	18	19	20
21	22	23	24

Systems of Linear Inequalities Task Cards: Answer Key

Grade 9 · Hard

The answers online

1. yes	**2.** no	**3.** y < 3x + 4
4. no	**5.** yes	**6.** no
7. y < -2x - 3	**8.** no	**9.** yes
10. no	**11.** y < 3x - 4	**12.** no
13. yes	**14.** no	**15.** y < -2x - 2
16. no	**17.** yes	**18.** no
19. y < -3x + 1	**20.** no	**21.** yes
22. no	**23.** y > x - 1	**24.** no