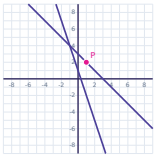
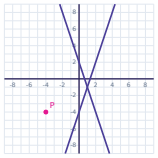
Systems of Linear Inequalities · 1

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



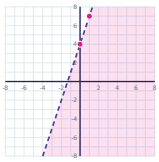
Systems of Linear Inequalities · 2

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



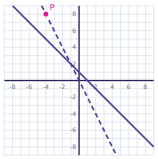
Systems of Linear Inequalities · 3

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



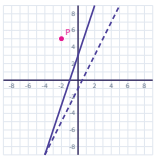
Systems of Linear Inequalities · 4

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



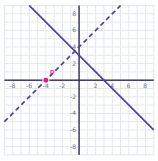
Systems of Linear Inequalities · 5

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



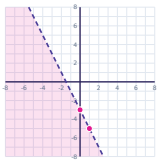
Systems of Linear Inequalities · 6

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



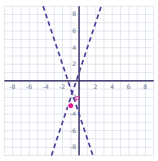
Systems of Linear Inequalities · 7

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



Systems of Linear Inequalities · 8

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



Systems of Linear Inequalities · 2

ANSWER

no

Systems of Linear Inequalities · 1

ANSWER

yes

Systems of Linear Inequalities · 4

ANSWER

no

Systems of Linear Inequalities · 3

ANSWER

$y < 3x + 4$

Systems of Linear Inequalities · 6

ANSWER

no

Systems of Linear Inequalities · 5

ANSWER

yes

Systems of Linear Inequalities · 8

ANSWER

no

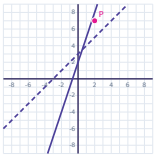
Systems of Linear Inequalities · 7

ANSWER

$y < -2x - 3$

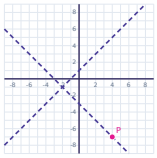
Systems of Linear Inequalities · 9

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



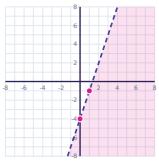
Systems of Linear Inequalities · 10

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



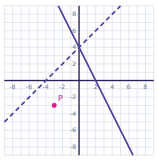
Systems of Linear Inequalities · 11

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



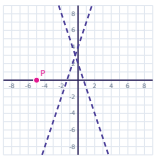
Systems of Linear Inequalities · 12

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



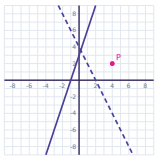
Systems of Linear Inequalities · 13

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



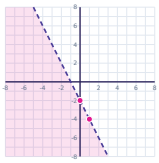
Systems of Linear Inequalities · 14

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



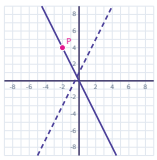
Systems of Linear Inequalities · 15

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



Systems of Linear Inequalities · 16

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



Systems of Linear Inequalities · 10

ANSWER

no

Systems of Linear Inequalities · 9

ANSWER

yes

Systems of Linear Inequalities · 12

ANSWER

no

Systems of Linear Inequalities · 11

ANSWER

y < 3x - 4

Systems of Linear Inequalities · 14

ANSWER

no

Systems of Linear Inequalities · 13

ANSWER

yes

Systems of Linear Inequalities · 16

ANSWER

no

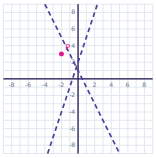
Systems of Linear Inequalities · 15

ANSWER

y < -2x - 2

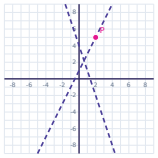
Systems of Linear Inequalities · 17

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



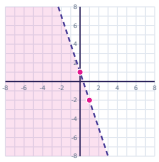
Systems of Linear Inequalities · 18

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



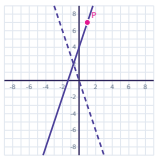
Systems of Linear Inequalities · 19

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



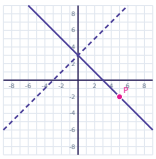
Systems of Linear Inequalities · 20

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



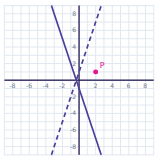
Systems of Linear Inequalities · 21

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



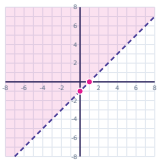
Systems of Linear Inequalities · 22

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



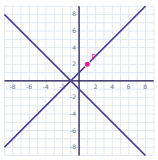
Systems of Linear Inequalities · 23

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



Systems of Linear Inequalities · 24

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



Systems of Linear Inequalities · 18

ANSWER

no

Systems of Linear Inequalities · 17

ANSWER

yes

Systems of Linear Inequalities · 20

ANSWER

no

Systems of Linear Inequalities · 19

ANSWER

y < -3x + 1

Systems of Linear Inequalities · 22

ANSWER

no

Systems of Linear Inequalities · 21

ANSWER

yes

Systems of Linear Inequalities · 24

ANSWER

no

Systems of Linear Inequalities · 23

ANSWER

y > x - 1