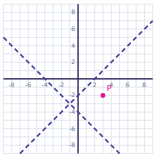
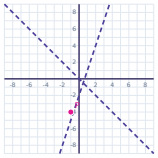
Systems of Linear Inequalities · 1

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



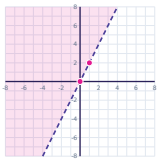
Systems of Linear Inequalities · 2

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



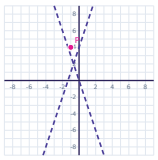
Systems of Linear Inequalities · 3

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



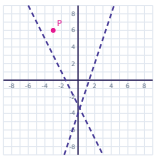
Systems of Linear Inequalities · 4

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



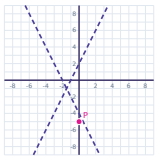
Systems of Linear Inequalities · 5

Is P(-3, 6) a solution of the system y > 3x - 4 and y > -2x - 3? Answer yes or no.



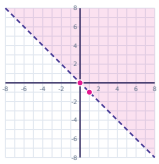
Systems of Linear Inequalities · 6

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



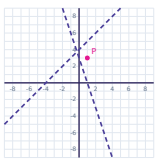
Systems of Linear Inequalities · 7

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 < x + 4 and y < -3x + 3? 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 > 2x

Systems of Linear Inequalities · 6

ANSWER

no

Systems of Linear Inequalities · 5

ANSWER

yes

Systems of Linear Inequalities · 8

ANSWER

no

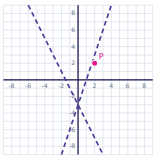
Systems of Linear Inequalities · 7

ANSWER

y > -x

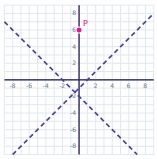
Systems of Linear Inequalities · 9

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



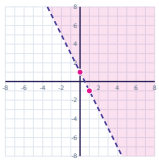
Systems of Linear Inequalities · 10

Is P(0, 6) a solution of the system y > x - 1 and y < -x - 2? Answer yes or no.



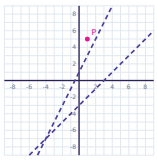
Systems of Linear Inequalities · 11

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



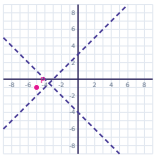
Systems of Linear Inequalities · 12

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



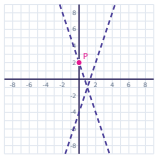
Systems of Linear Inequalities · 13

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



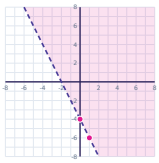
Systems of Linear Inequalities · 14

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



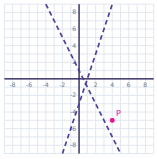
Systems of Linear Inequalities · 15

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



Systems of Linear Inequalities · 16

Is P(4, -5) a solution of the system y < 3x - 3 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 > -2x + 1

Systems of Linear Inequalities · 14

ANSWER

no

Systems of Linear Inequalities · 13

ANSWER

yes

Systems of Linear Inequalities · 16

ANSWER

no

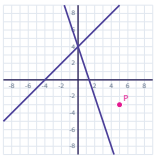
Systems of Linear Inequalities · 15

ANSWER

y > -2x - 4

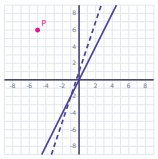
Systems of Linear Inequalities · 17

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



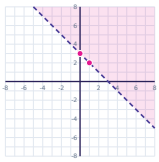
Systems of Linear Inequalities · 18

Is P(-5, 6) a solution of the system y > 3x + 1 and y ≤ 2x? Answer yes or no.



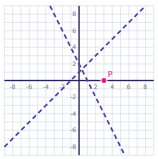
Systems of Linear Inequalities · 19

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



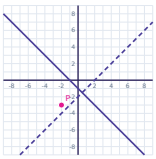
Systems of Linear Inequalities · 20

Is P(3, 0) a solution of the system y < -2x + 2 and y < x + 1? Answer yes or no.



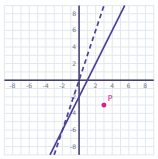
Systems of Linear Inequalities · 21

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



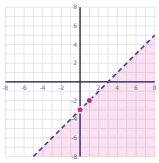
Systems of Linear Inequalities · 22

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



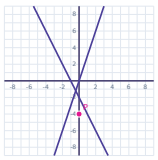
Systems of Linear Inequalities · 23

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



Systems of Linear Inequalities · 24

Is P(0, -4) a solution of the system y ≥ 3x and y ≥ -2x - 2? 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 > -x + 3

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 - 3