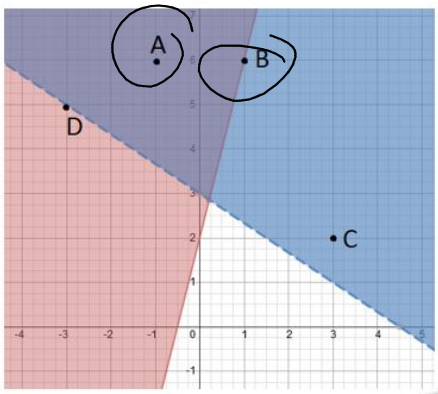
Algebra I Module 5

Which points are included in the solution set for this system of inequalities?

a. A only
b. A and B
c. A, B, and D
d. A and C



Standard page | Answer

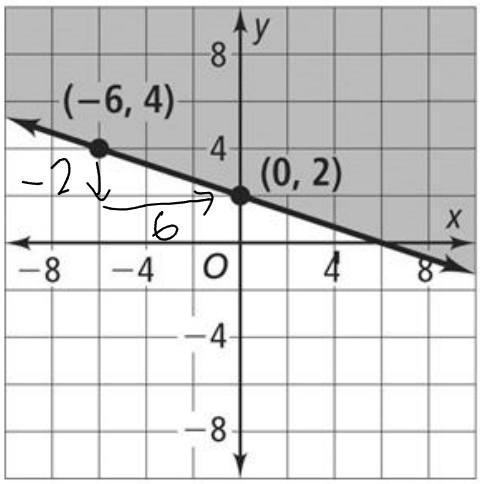
MAFS.912.A-REI.4.12

Problem 3

Graph the solutions to a linear inequality in two variables as a half-plane (excluding the boundary in the case of a strict inequality), and graph the solution set to a system of linear inequalities in two variables as the intersection of the corresponding half-planes.

Write an inequality that represents each graph.

20.



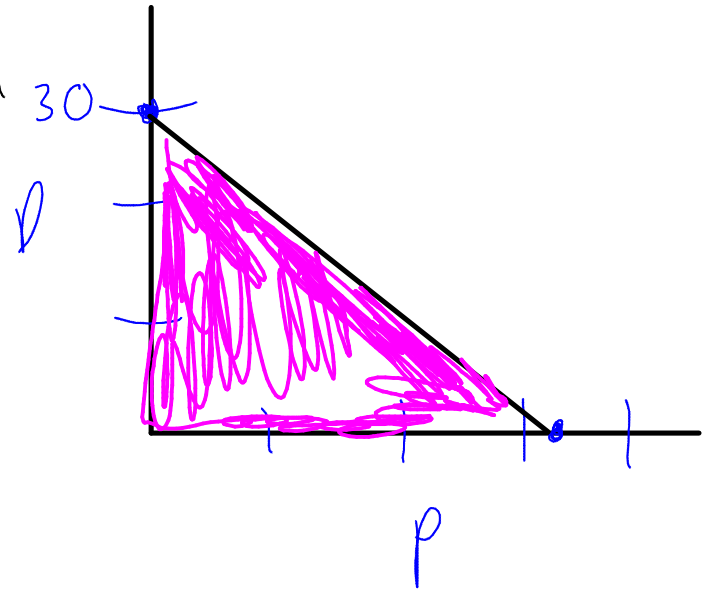
$m = -\frac{2}{6} = -\frac{1}{3}$

$b = 2$

$y \geq -\frac{1}{3}x + 2$

22. You and some friends have \$30. You want to order large pizzas (p) that are \$9 each and drinks *(d)* that cost \$1 each. Write and graph an inequality that shows how many pizzas and drinks can you order.?

$30 \geq 9p + d$

$-9p \quad -9p$

$-9p + 30 \geq d$