



Solve systems of linear inequalities graphically

1

Is the point (3, 4) part of the solution set of this linear inequality?

$$y \geq x$$

A

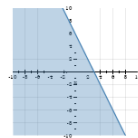
No

B

Yes

2

Which coordinate pair is part of the shaded solution set?



A

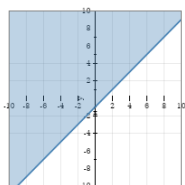
(5, 5)

B

(-2, -1)

3

For the shaded solution set in this graph, is the point (2, -9) part of the solution set?



A

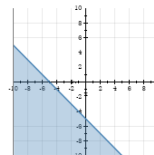
No

B

Yes

4

Which linear inequality does this graph show?



A

$$y < -x - 5$$

B

$$y \geq -x - 5$$

C

$$y \leq -x - 2$$

D

$$y \leq -x - 5$$

5

Is the point (-3, 4) part of the solution set of this pair of linear inequalities?

$$\begin{cases} y \leq -x \\ y < 2x - 6 \end{cases}$$

A

No

B

Yes

6

Which coordinate pair is part of the solution set of this pair of linear inequalities?

$$\begin{cases} y \geq x + 4 \\ y \geq -2x + 5 \end{cases}$$

A

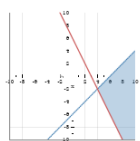
(6, -3)

B

(3, 8)

7

Which coordinate pair is part of the shaded solution set?



A

(8, -5)

B

(-8, -6)

8

For the shaded solution set in this graph, is the point (8, -5) part of the solution set?



A

No

B

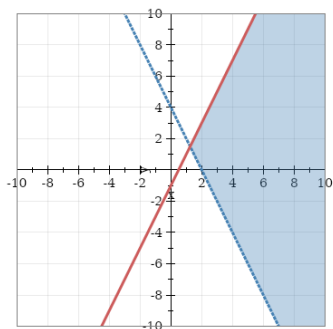
Yes



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9

Which pair of linear inequalities does this graph show?



A

$$\begin{cases} y > -2x + 4 \\ y \leq 2x - 1 \end{cases}$$

B

$$\begin{cases} y \geq -2x + 4 \\ y \leq 2x - 1 \end{cases}$$

C

$$\begin{cases} y < -2x + 4 \\ y \leq 2x - 1 \end{cases}$$

D

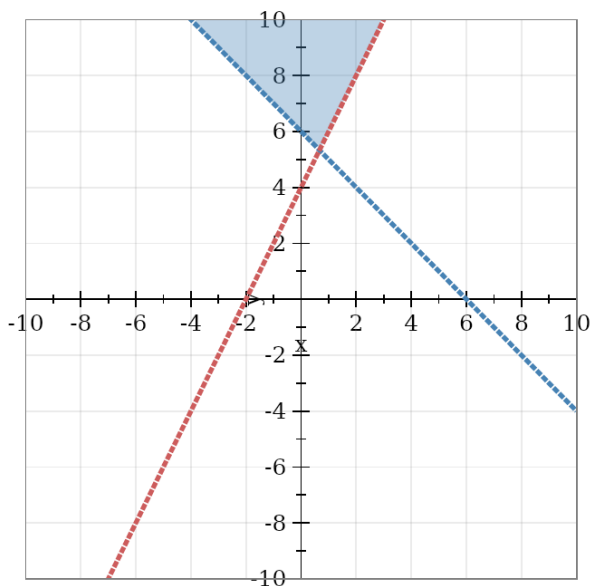
$$\begin{cases} y > -2x + 4 \\ y \leq 2x - 4 \end{cases}$$

10

Which graph shows this pair of linear inequalities?

$$\begin{cases} y > -x + 6 \\ y > 2x + 4 \end{cases}$$

A



B

