

Math Virtual Learning

Algebra 1 S-1

May 6, 2020



Grade/Course Lesson: May 6, 2020

Objective/Learning Target:

Students will determine if an ordered pair is a part of the solution set in a system of inequalities.



Brainstarter

Use the desmos to find the intersection of the following inequalities.





Let's Get Started

Watch Video 1:

Remember the ordered pair has to make both inequalities true to be a solution to the system

x + 2y < 2 6x + 2y > -6









The first ordered pair (1, -10) is in the overlapping shading thus it is a solution. The first ordered pair (2, 4) is not in the overlapping shading thus it is not a solution.





1).
$$5x + y > 3$$

 $-2y < 4$ 2). $-4x + y > -3$
 $4x + 2y > 6$ 3). $4x - 3y < 9$
 $x + 3y > 6$ (2, 2)(2, 2)(2, 2)

Answer Key:

Once you have completed the problems, check your answers here.





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Additional Practice:

Click on the links below to get additional practice and to check your understanding!

<u>Testing solutions in a system of Inequalities.</u>

