

System of linear equations: Two or more lines on the same graph.

The solution to a system of linear equations is: The point where the lines intersect



The solution to a system of linear inequalities is: The area that gets shaded twice, once for each inequality.

In other words, the area where the two shadings overlap.





Write the sysetm of inequalities shown in the graph.



 $\frac{1}{2} \times -1$   $\frac{1}{2} \times -1$