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Lesson 7.2: Systems of Linear Inequalities

## Learning Goal:

Graph systems of linear inequalities.

## Notes

A system of linear inequalities is made up of $\qquad$ .
A solution to a system of linear inequalities is $\qquad$
$\qquad$ .

## Graphing a System of Linear Inequalities



Check your work using a test point! Choose an ordered pair where the shaded regions overlap. Make sure the values for $x$ and $y$ result in TRUE statements for BOTH linear inequalities.

Word of Warning:
If the shaded regions do not overlap, then the system of inequalities has NO solution.

