Lesson 2.1.2: Graphs of Linear Inequalities in Two Variables

How to Graph Linear Inequalities in Two Variables

1. Graph the corresponding equation. Use broken line if inequality is not included and a solid line if inequality is included.
2. Choose a point on the plane not on the line and substitute its coordinate in the inequality.
3. If the inequality is satisfied, shade the region containing that point. If not, shade the other region.

Practice Exercises 2.1.2

Graph each inequality.

1. $x-2y>-2$
2. $3x+3y\geq 6$
3. $2x-y<2$
4. $x-y\leq -4$

Activity 2.1.2

Graph each inequality.

1. $2x-y>3$
2. $2x-2y\geq -8$
3. $-3x+y<-2$
4. $x+y\leq -3$

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