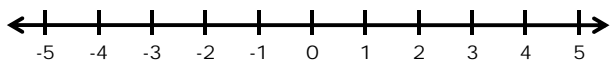


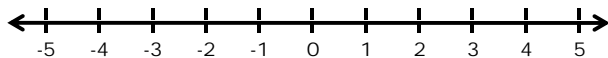
Do Now

Graph the following:

1) $-2 < m + 1 \leq 4$



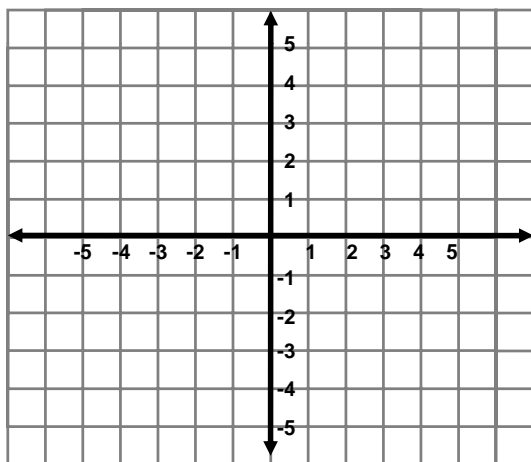
2) $1 + 5y < -4$ or $4y > y + 9$



10.7

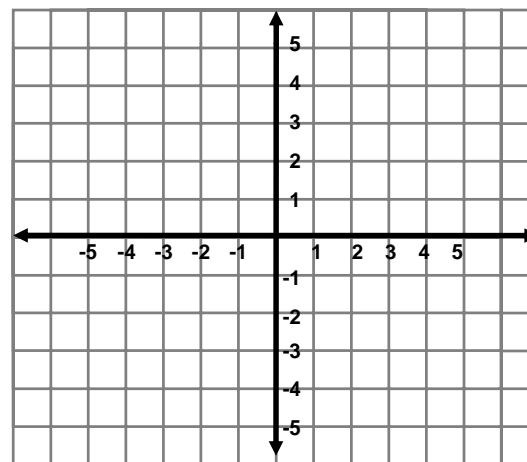
Graphing Linear Inequalities

Graphing Linear Inequalities



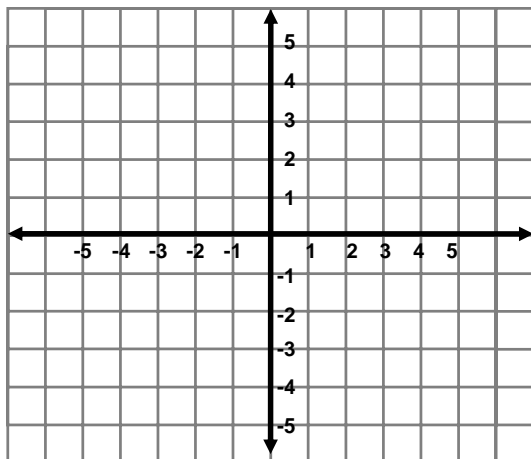
$$y = x + 3$$

Graphing Linear Inequalities



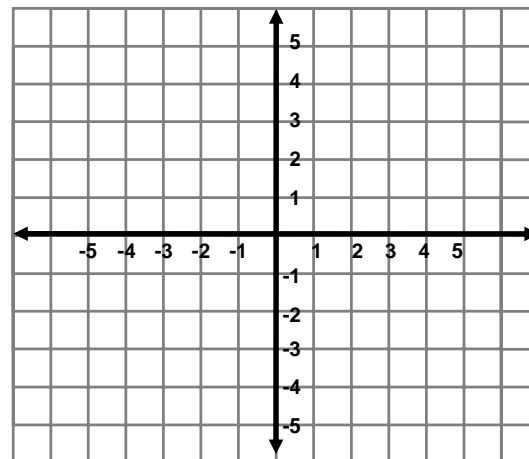
$$y > x + 3$$

Graphing Linear Inequalities



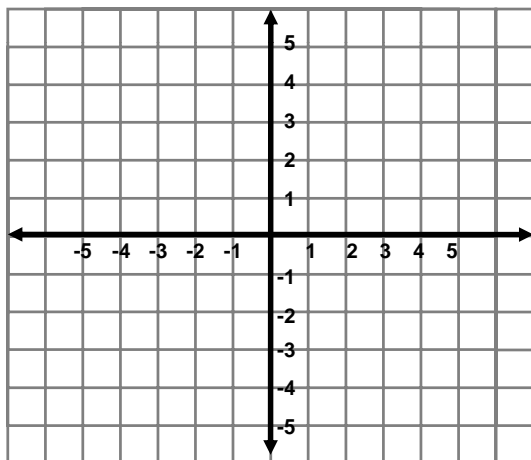
$$y < x + 3$$

Graphing Linear Inequalities



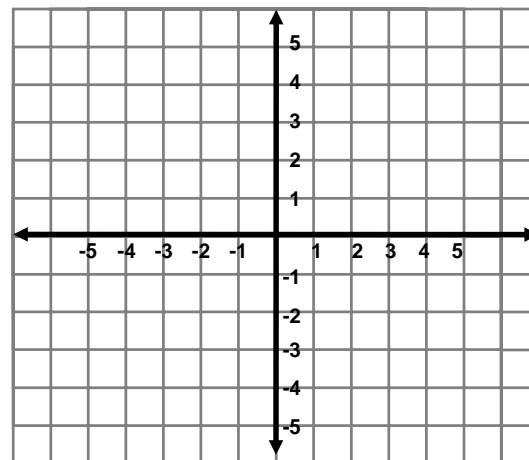
$$y \geq x + 3$$

Graphing Linear Inequalities



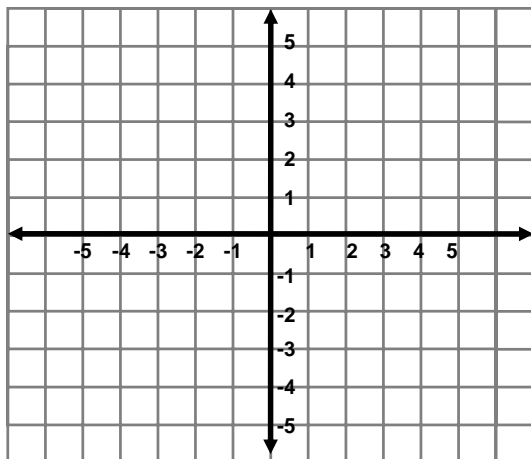
$$y \leq x + 3$$

Graphing Linear Inequalities



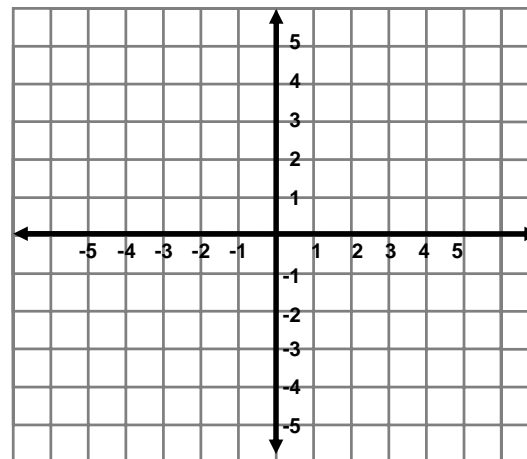
1) $3x + y \leq 3$

Graphing Linear Inequalities



2) $y < 1$

Graphing Linear Inequalities



2) $x \geq -2$

Summary

$<$ *or* $>$ Dotted Lines

\leq *or* \geq Solid Lines

Shade Up $>$ *and* \geq

Shade Down $<$ *and* \leq