

Chapter 7.6 Graphing Systems of Linear Inequalities

Review:

$\geq$ $>$ $\leq$ $<$

Solid:

Dashed/Dotted:

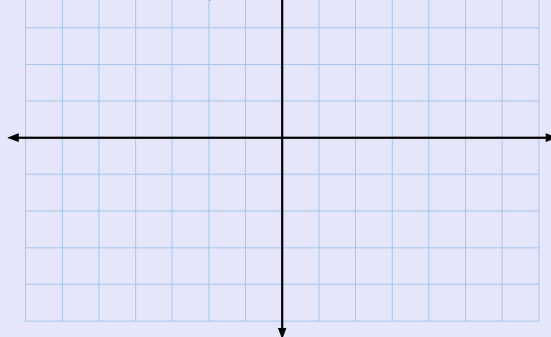
Shade below:

If in $y = mx + b$
or $+ y$

Shade Above :

If in $y = mx + b$ or $+ y$

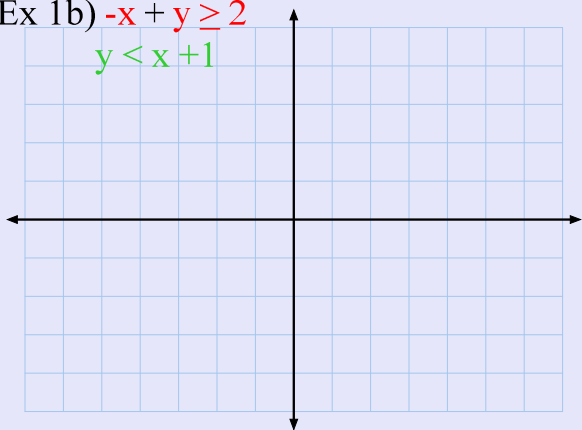
Example 1a) $x < 4$
 $y \geq -3$



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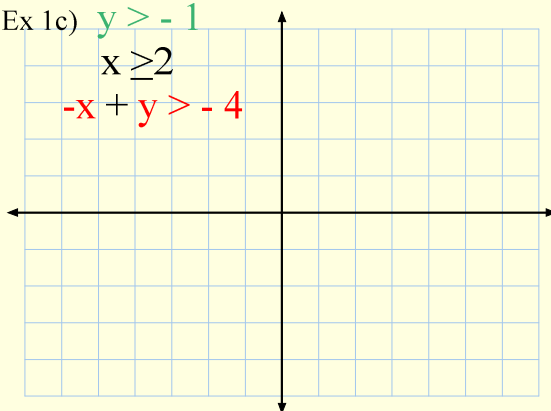
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Ex 1b) $-x + y \geq 2$
 $y < x + 1$



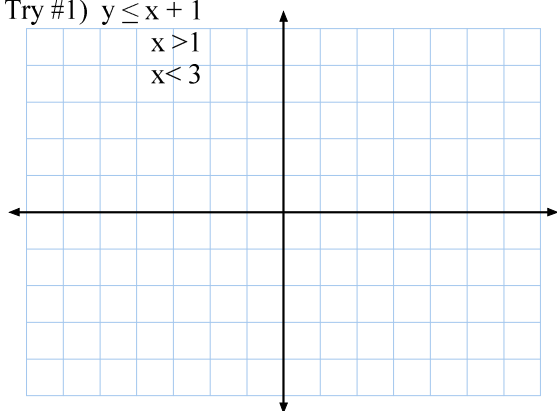
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Ex 1c) $y > -1$
 $x \geq 2$
 $-x + y > -4$



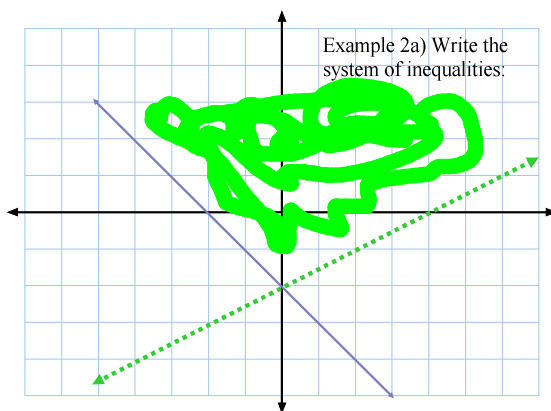
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Try #1) $y \leq x + 1$
 $x > 1$
 $x < 3$



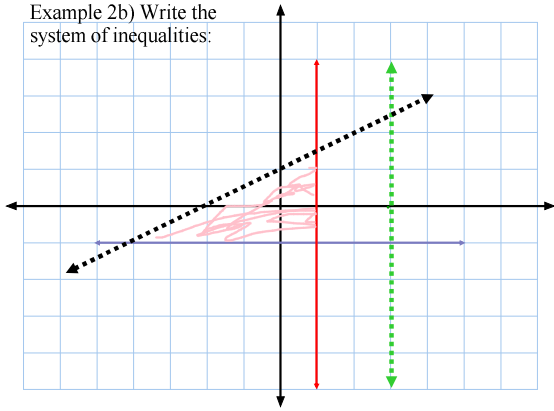
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Example 2a) Write the
system of inequalities:



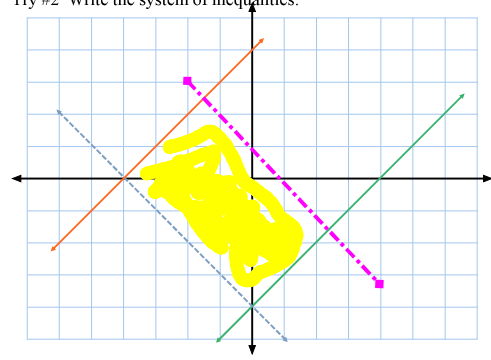
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Example 2b) Write the system of inequalities:



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Try #2 Write the system of inequalities:



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