

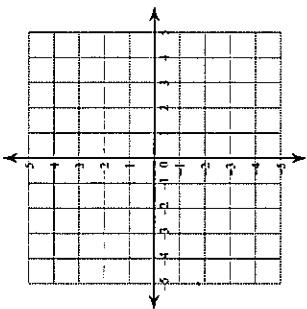
Graphically

Solving Systems of Linear Inequalities

Sketch the solution to each system of inequalities.

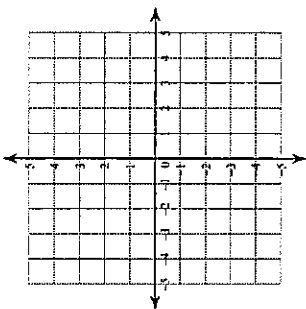
1) $y \leq \frac{1}{3}x - 1$

$y > -\frac{1}{3}x - 3$



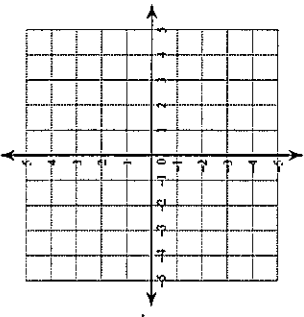
3) $y < \frac{2}{3}x - 1$

$y \leq -\frac{2}{3}x + 3$



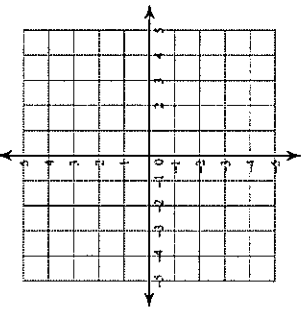
2) $y \leq -4x + 2$

$y > -x - 1$



4) $y < -\frac{2}{3}x - 1$

$y > -2x + 3$



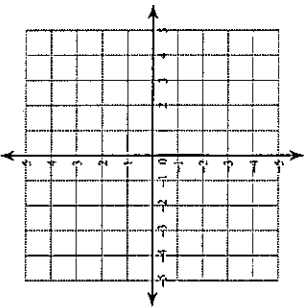
Name _____

Date _____

Period _____

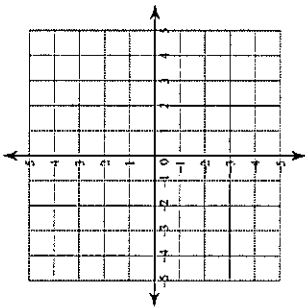
5) $y \leq -\frac{1}{2}x + 2$

$y \leq -2x - 1$



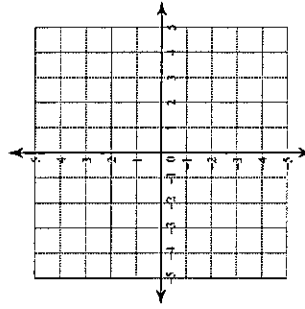
7) $y < 5x - 3$

$y > x + 1$



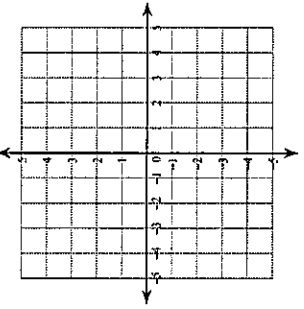
6) $y \leq \frac{5}{2}x - 3$

$y > -\frac{1}{2}x + 3$

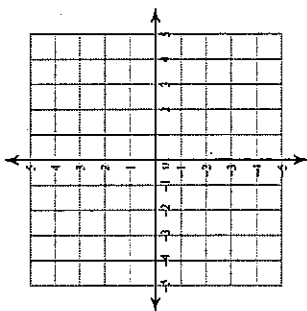


8) $y \leq 3$

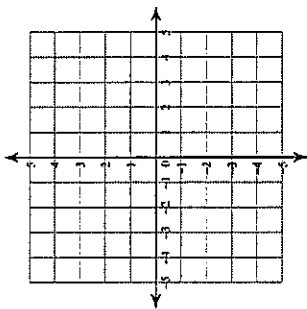
$y \geq -\frac{4}{3}x - 1$



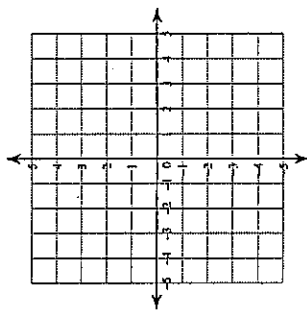
9) $y < 2x - 3$
 $y < -4x + 3$



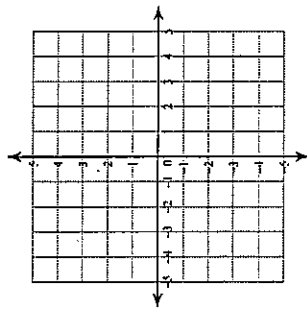
10) $x \leq -3$
 $y < \frac{1}{3}x + 3$



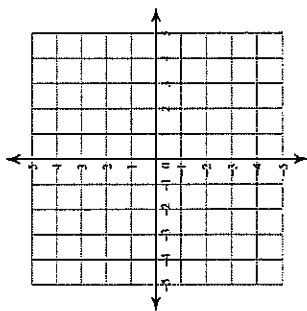
15) $2x - y < -2$
 $x - 2y \leq 2$



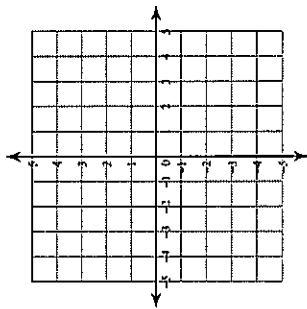
16) $x + y \leq 2$
 $4x - y < 3$



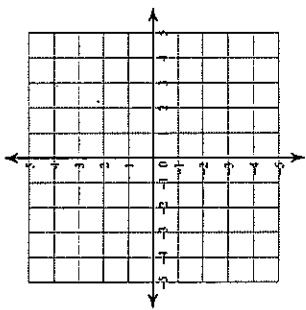
11) $2x + y \leq -3$
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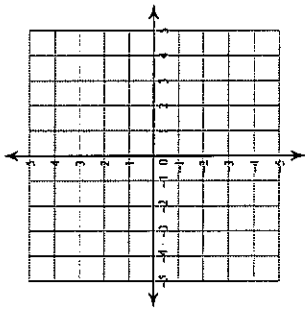
12) $x - 3y \leq -3$
 $x + 3y \geq 9$



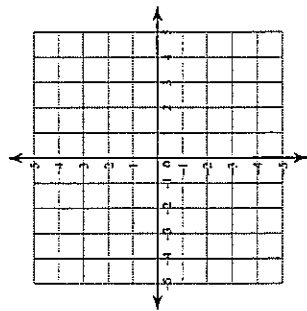
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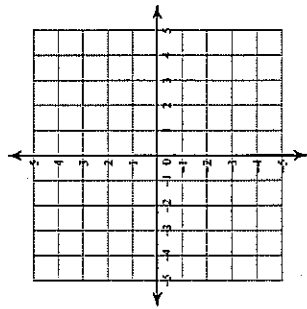
18) $x \geq -3$
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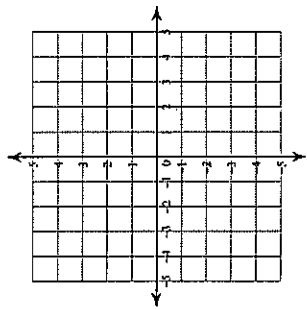
13) $x + y > -3$
 $5x - y > -3$



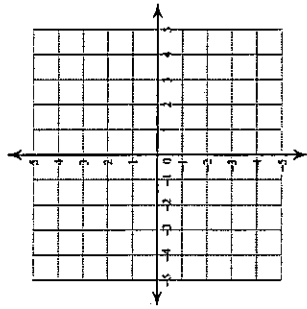
14) $x - y < 1$
 $x < 2$



19) $2x - y \geq -3$
 $2x - 3y \leq 3$



20) $x \geq -3$
 $x - y < -2$



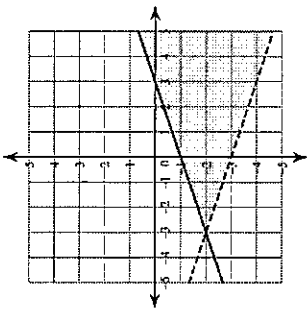
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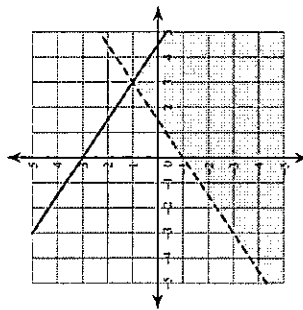
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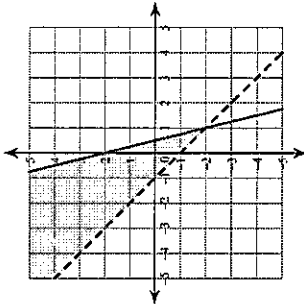
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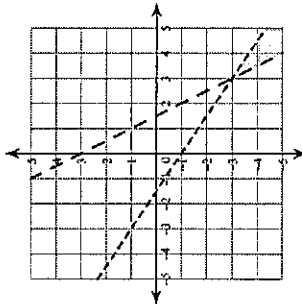
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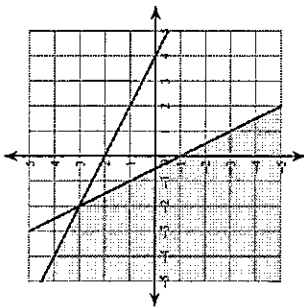
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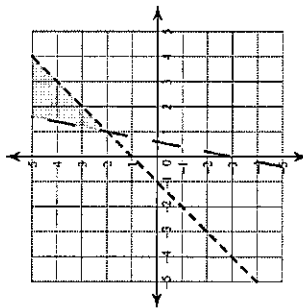
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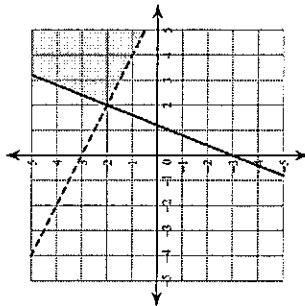
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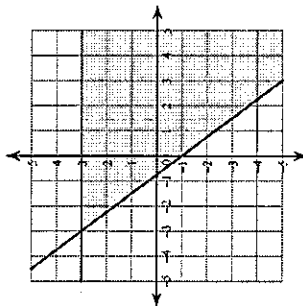
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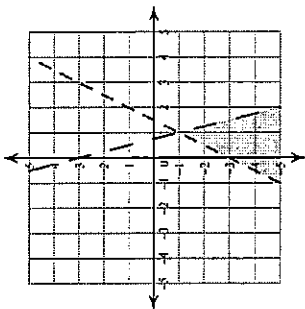


8) $y \leq 3$

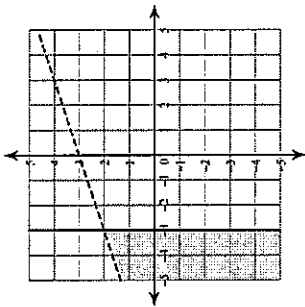
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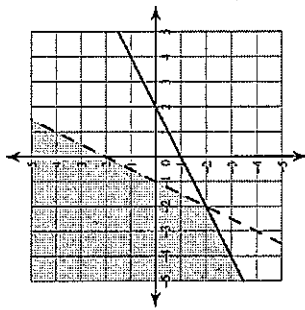
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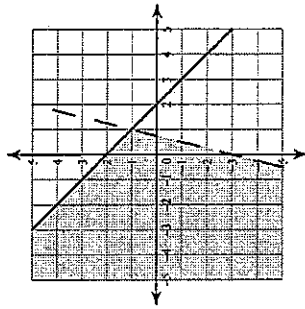
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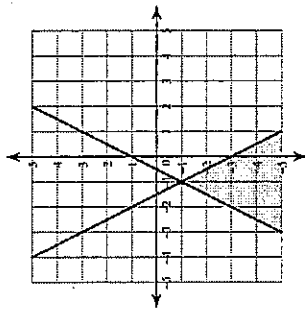
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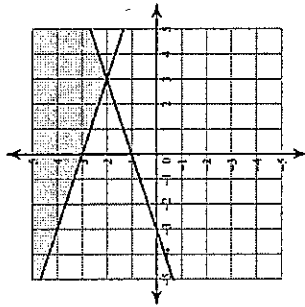
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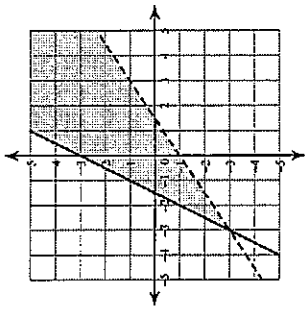
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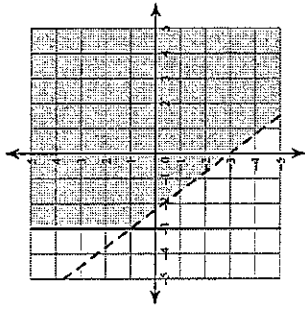
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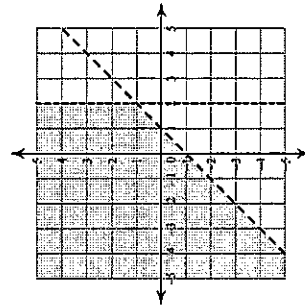
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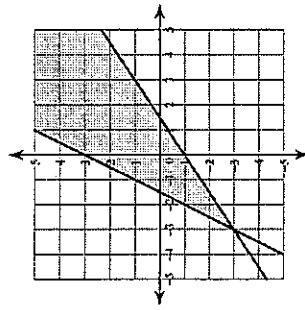
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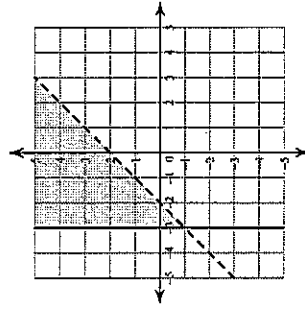
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