

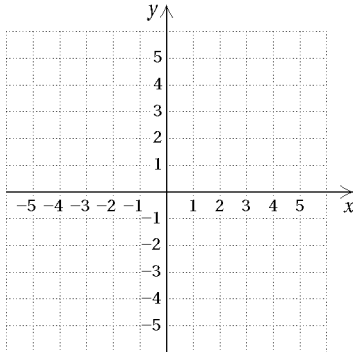
EXTRA PRACTICE 22
Systems of Linear Inequalities
 Use after Section 8.5

Name _____

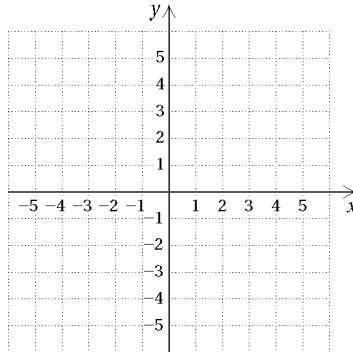
See Section 8.5 for examples.

Graph the solutions of the system.

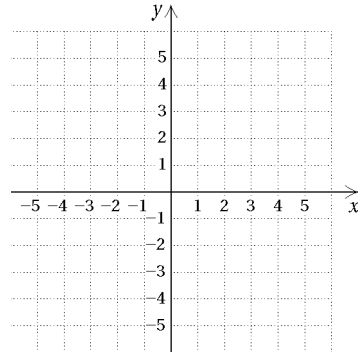
1. $x + y > 4$,
 $x - y \leq 2$



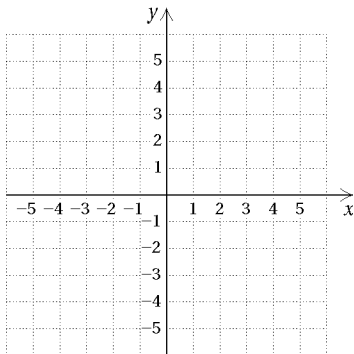
2. $x - y \leq 3$,
 $x + y < 4$



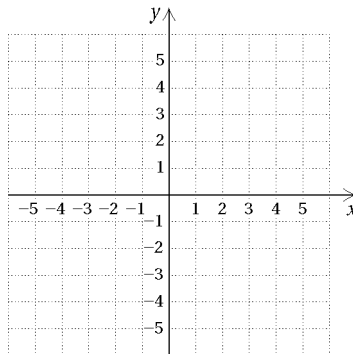
3. $2x - y > 4$,
 $2x - y < 6$



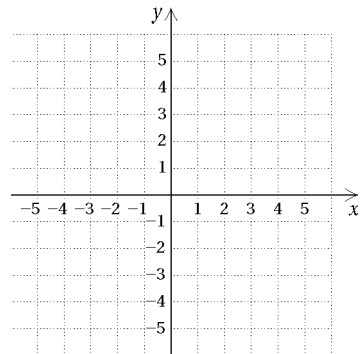
4. $y < 4$,
 $x - 1 \geq y$



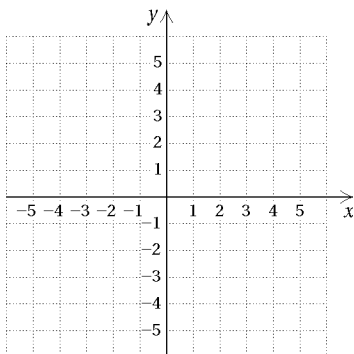
5. $3x - 4y \leq 8$,
 $x + 2y > 2$



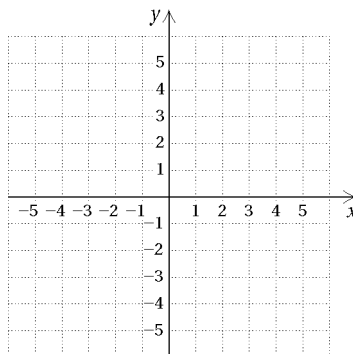
6. $-2x + y < 0$,
 $x + 5y \leq 5$



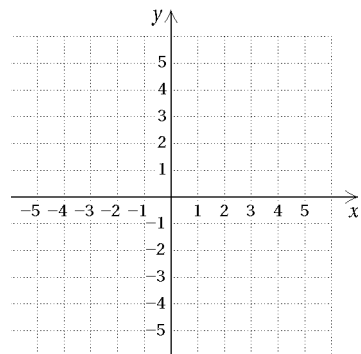
7. $-x - 3y \leq 6$,
 $-4x + 2y > 8$



8. $3x - y \leq 5$,
 $4x - y \leq 5$

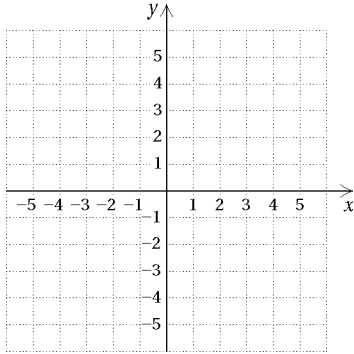


9. $y \geq 2x$,
 $y < 0$

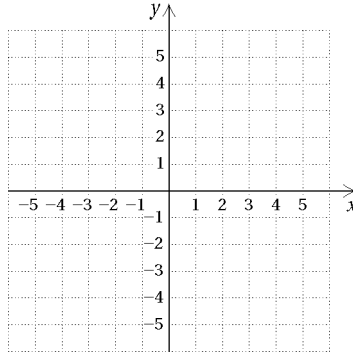


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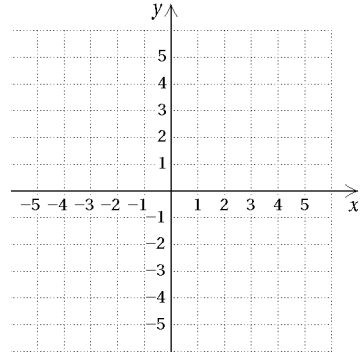
10. $y > 3x + 1,$
 $y \leq 2x - 1$



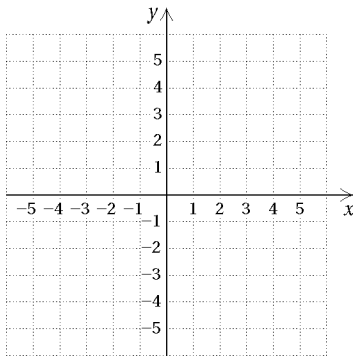
11. $y \geq 2x - 3,$
 $x > 0,$
 $y \geq 2,$
 $y < 5$



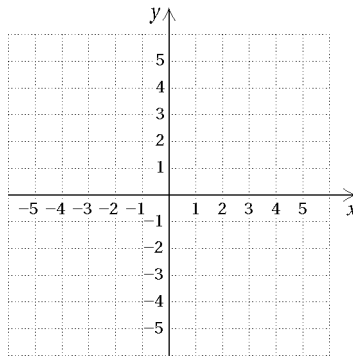
12. $2x - 3y < 9,$
 $y < 0,$
 $x \geq -1,$
 $x < 4$



13. $x - y \leq 4,$
 $x + y \leq 2,$
 $x \geq 0,$
 $y \leq 0$



14. $y \leq 2x - 4,$
 $x + y \leq 2,$
 $y > -4$



15. $2x + 3y \geq 6,$
 $2x + 3y < 9,$
 $x > 2$

