

**Algebra I Review Unit 7 page 1** \_\_\_\_\_

Write the equation of each line described below. If the line is oblique, write its slope-intercept equation.

\_\_\_\_\_ 1. the line with slope 3 and y-intercept 5

\_\_\_\_\_ 2. the line with slope -2 through (0,-3)

\_\_\_\_\_ 3. the line with slope  $\frac{3}{4}$  through (8,5)

\_\_\_\_\_ 4. the line with *no slope* through (-2,7)

\_\_\_\_\_ 5. the line with slope 0 through (-5,-3)

\_\_\_\_\_ 6. the line with slope  $-\frac{3}{4}$  through (6,-1)

\_\_\_\_\_ 7. the line through (0,2) and (-3,1)

\_\_\_\_\_ 8. the line through (-1,5) and (2,-4)

\_\_\_\_\_ 9. the line through (2,-3) and (2,1)

\_\_\_\_\_ 10. the line through (2,-1) and (8,2)

\_\_\_\_\_ 11. the line through (5,3) and (-2,3)

\_\_\_\_\_ 12. the line through (-2,9) and (-6,-1)

\_\_\_\_\_ 13. the line through (2,2) and (10,0)

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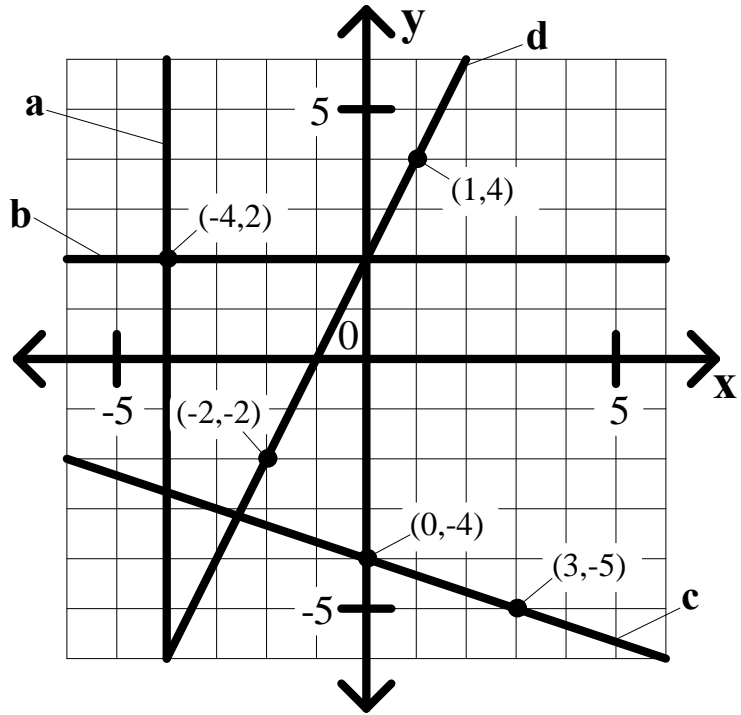
Write the equation of each line graphed below. If the line is oblique, write its slope-intercept equation.

14. a: \_\_\_\_\_

15. b: \_\_\_\_\_

16. c: \_\_\_\_\_

17. d: \_\_\_\_\_

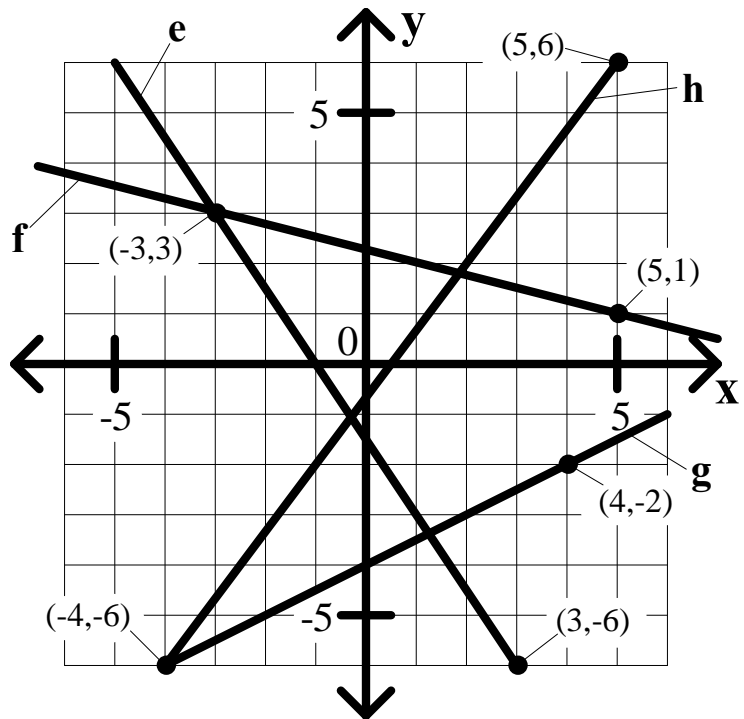


18. e: \_\_\_\_\_

19. f: \_\_\_\_\_

20. g: \_\_\_\_\_

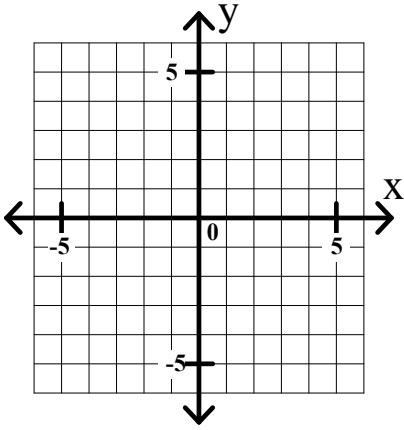
21. h: \_\_\_\_\_



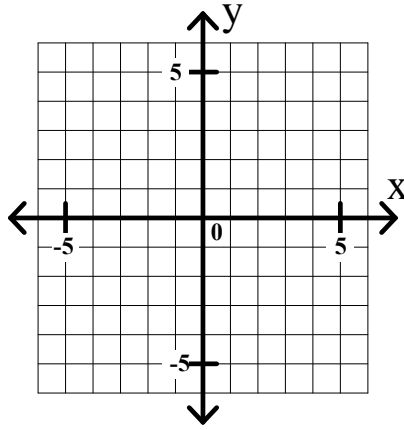
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Graph each of the following.

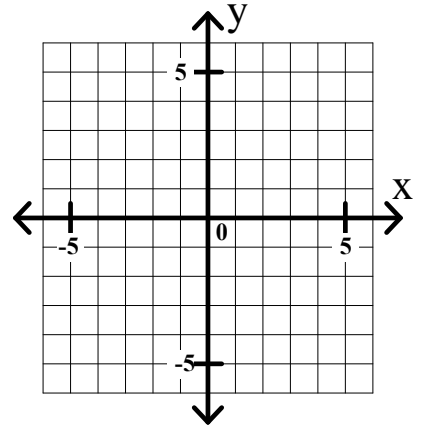
22.  $y < -3x + 4$



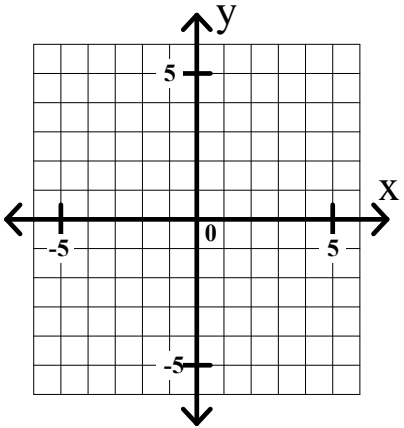
23.  $y > 2x - 3$



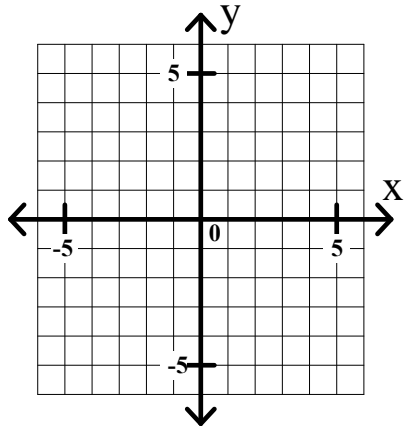
24.  $y \geq -x - 2$



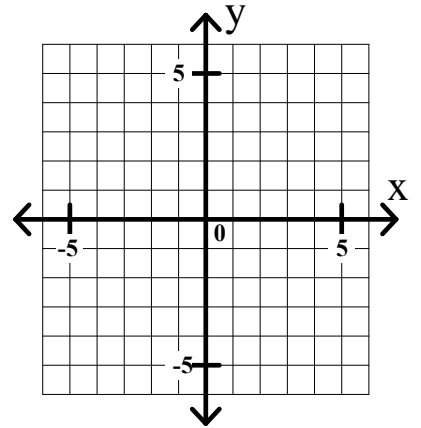
25.  $y \leq 4x + 1$



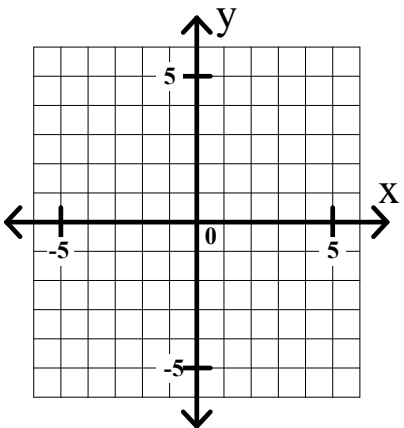
26.  $y < \frac{2}{5}x + 3$



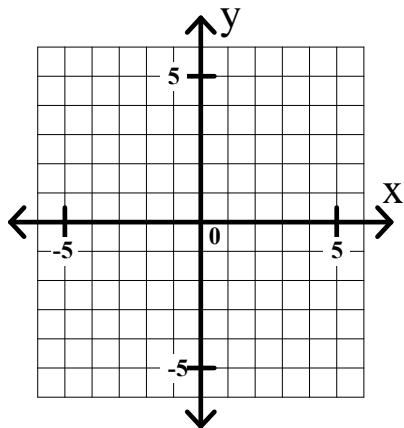
27.  $y > \frac{4}{3}x - 5$



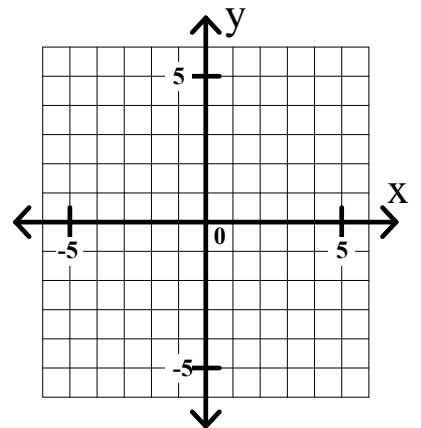
28.  $y \geq \frac{1}{4}x - 2$



29.  $y \leq \frac{5}{4}x + 1$



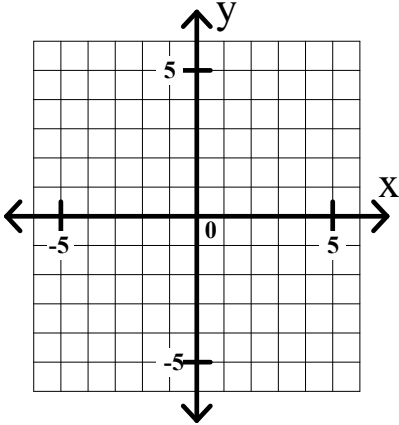
30.  $y > 3x$



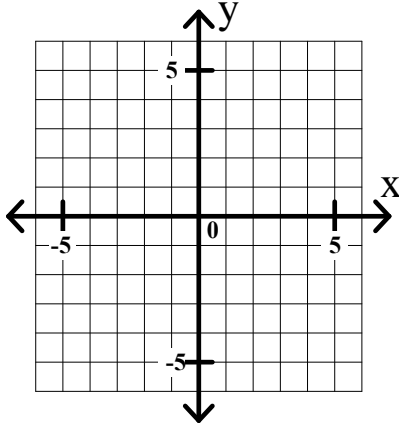
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Graph each of the following.

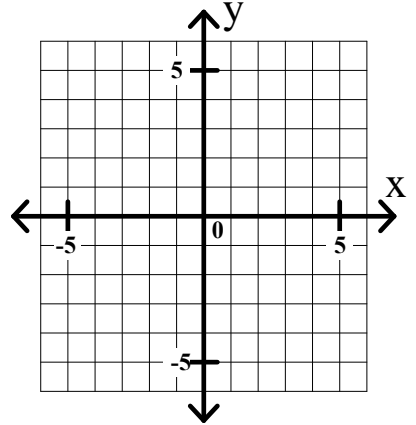
31.  $y \geq 3$



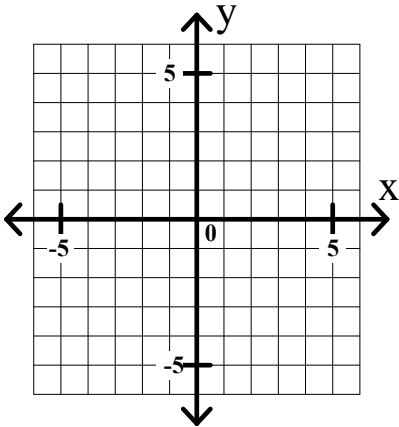
32.  $x < -2$



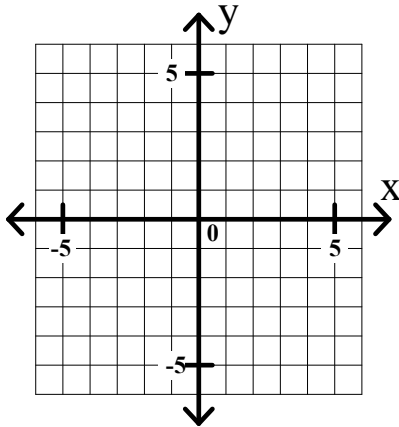
33.  $x - 4y \leq 12$



34.  $3x + 2y \geq 6$



35.  $5x - 2y > 0$



36.  $2x + 5y < 5$

