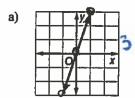
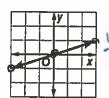
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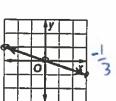
Skills from Unit 2:

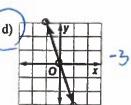
- 1) Finding slope when you know:
 - data from a table
 - graph
 - 2 ordered pairs
 - equation in slope-intercept from, point-slope form, or standard form
- 2) Writing Equations of Lines in Point-Slope, Slope-Intercept, and Standard form when you know:
 - 2 points on the line
 - the graph of the line
 - x and y intercepts
 - slope and point
 - a point on the line and an equation for a parallel or perpendicular line
 - real-world problems
- 3) Graphing equations in slope-intercept from, point-slope form, or standard form
- 4) Graphing linear inequalities
- 5) Solving inequalities & graphing their solution
- 6) Finding the inverse of a function
- 1. Which graph has a slope of -3?



b)







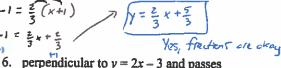
2. In 1996, there were 171 area codes in the United States. In 2007, there were 215. Find the rate of change from 1996 to 2007.

$$(2007, 215) \qquad M = \frac{171 - 215}{1986 - 2007} = \frac{-44}{-11} \neq 4$$

- For questions 3-7, find the equation in slope-intercept form that describes each line. $M = \frac{1-3}{1-2} = \frac{-2}{-3} = \frac{2}{3}$
- 3. a line with slope -2 and y-intercept 4
- 4. a line through (-1, 1) and (2, 3)

) and (2, 3)
$$M = \frac{7-7}{1-2} = \frac{-2}{-3} = \frac{2}{3}$$

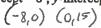
- y = -2x+4

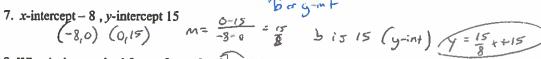


5. the line graphed



through (-1, 2)

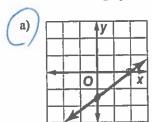


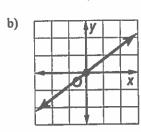


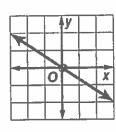
8. What is the standard form of y-8=2(x+3)?

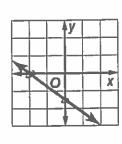


9. Which is the graph of 3x - 4y = 6? $4 - 1 - \frac{3}{2} - 1 - \frac{3}{2} - 1 - \frac{3}{2} - \frac{3}{2}$









10. Write an equation in point-slope form for the line that passes through (0, -5) with slope 2.

Y = 6x + 3 x = 6y + 3 x

d)

$$12. 1 \ge \frac{-y}{4} (4)$$

$$12. \ 1 \ge \frac{-y}{4}(4)$$

$$13. \ 3(2d-1) \ge 4(2d-3) - 3$$

$$6d - 3 \ge 8d - (2-3)$$

$$|14.|x-3| < 2$$

c)

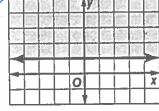
15.
$$-12 \le 2x + 1 \le 24$$

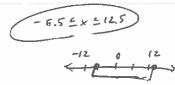
 $\frac{4 \ge -y}{-1} = 450 \text{ writhin}$ $\frac{4 \ge -y}{-1} = 450 \text{ writhin}$ $\frac{64 - 3 \ge 84 - 12 - 3}{-64} = 450 \text{ writhin}$ $\frac{-1}{-1} = 450 \text{ writhin}$ $\frac{-1}{-1} = 450 \text{ writhin}$ $\frac{-1}{-1} = 450 \text{ writhin}$ $\frac{-3 \ge 24 - 15}{-3 \ge 24 - 15} = 450 \text{ writhin}$

-24X-34Z

16. Write an inequality for the graph shown.

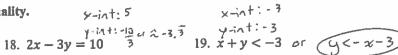




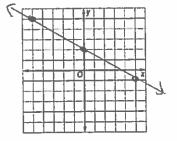


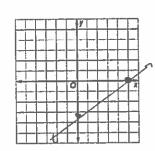
For 17 - 19, graph each equation or inequality.

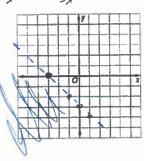
17.
$$y = -\frac{3}{5}x + 2$$



19.
$$x + y < -3$$



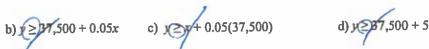




20. Juan's income y consists of at least)\$37,500 salary plus 5% commission on all of his sales x. Which inequality represents Juan's income in one year? included, so 4







21. What is the slope of 7x - 2y = 12?

