

# Cornell Notes

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Date 8/31/2011

Topic Graphing Linear Functions

Class/  
Subject Asberry / Alg II

10:10

objective

Represent relations & functions  
Graph linear functions

Do Now

10 questions from packet

HW  
Assignment #7

Return quizzes / collect assignments

Slope Day 3 worksheet

10:45

working on hw page for  
tonight #7

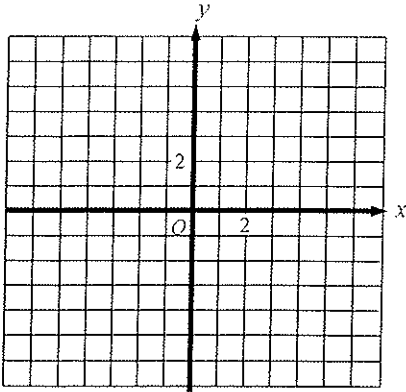


Slope - Day 3  
 Assignment  
 No Work, No Credit

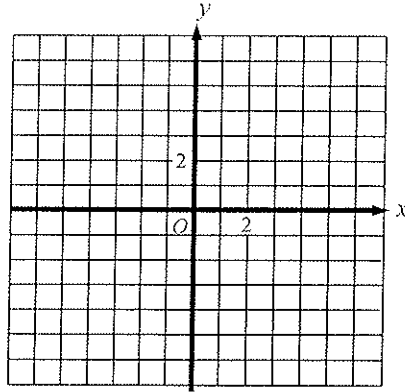
Name \_\_\_\_\_  
 Period \_\_\_\_\_

Graph each equation.

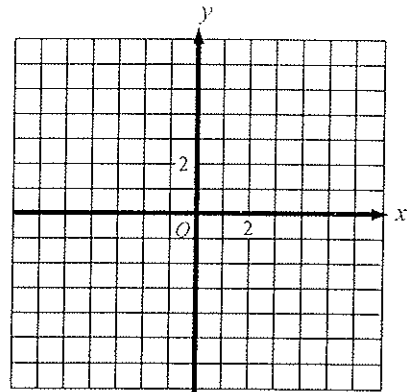
1.  $2x + y = 4$



2.  $y = -\frac{1}{2}x$

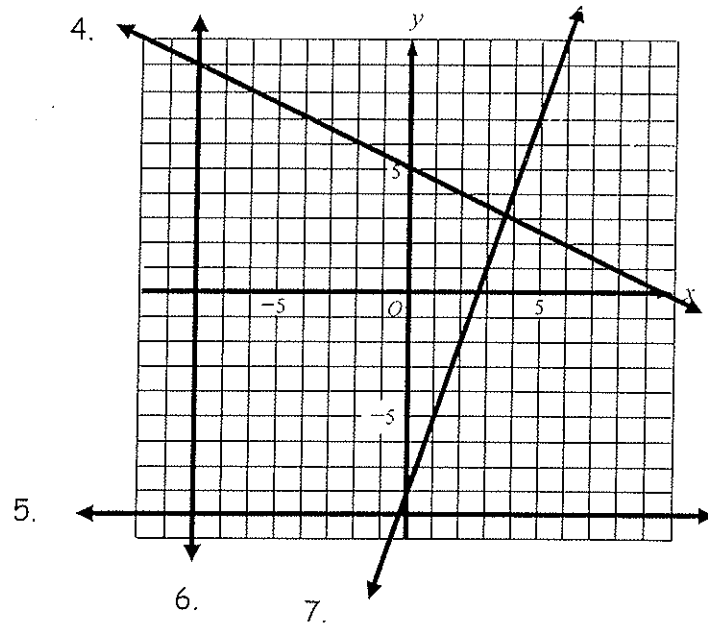


3.  $3x - y = -6$



Write an equation for each of the four lines shown on the graph below.

- 4. \_\_\_\_\_
- 5. \_\_\_\_\_
- 6. \_\_\_\_\_
- 7. \_\_\_\_\_



- 8. Write an equation for the line with a slope of  $-3$  and a  $y$ -intercept of  $5$ .
- 9. Write an equation for the line with a slope of  $\frac{3}{2}$  that passes through  $(0, 2)$ .
- 10. Write an equation for the line that passes through  $(1, 5)$  and  $(4, 6)$ .

11. Write an equation that represents the data in the table.

x	1	2	3	4	5
y	3	2	1	0	-1

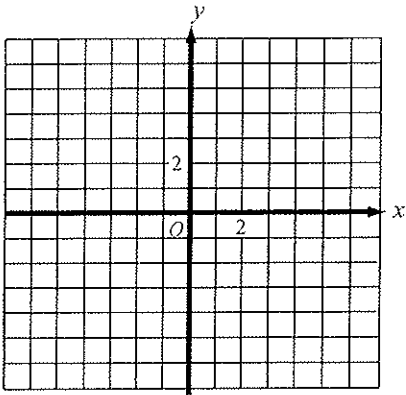
Equation \_\_\_\_\_

x	-2	0	2	4	6
y	9	5	1	-3	-7

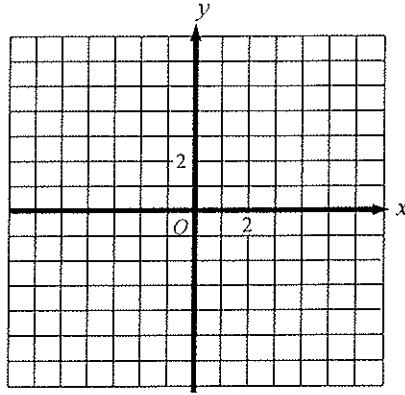
Equation \_\_\_\_\_

Graph each equation.

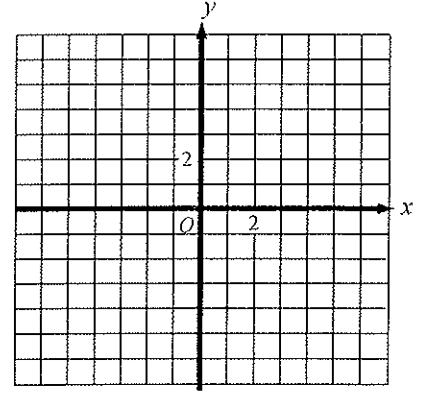
12.  $3x + y = -4$



13.  $x - 4y = 0$

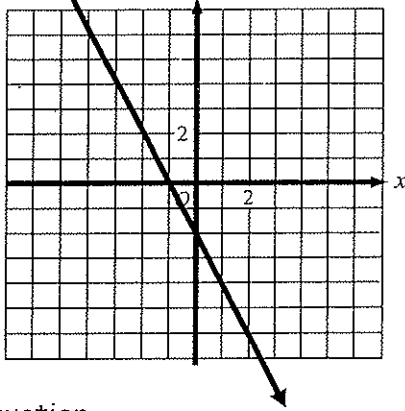


14.  $y = 3 + 2x$



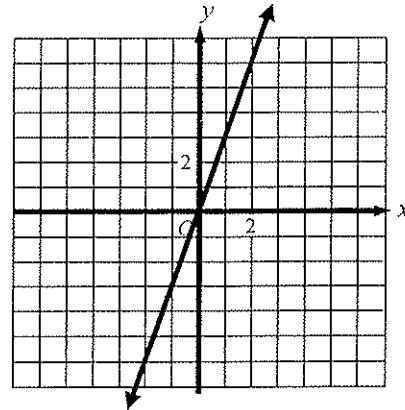
Write the equation of each line.

15.



Equation \_\_\_\_\_

16.



Equation \_\_\_\_\_

On the Talk for Less long-distance phone plan, the relationship between the number of minutes a call lasts and the cost of the call is linear. A 5-minute call costs \$1.25, and a 15-minute call costs \$2.25.

17. Write an equation for the relationship between the cost and the length of a call.
18. Find the slope and the y-intercept of the equation, and explain what this information means in the context of the problem.
19. How much will a 25-minute call cost?
20. How long can a customer talk for \$5.00?