

Unit 4 Slope Review (part 2)

1. Name the 4 types of slope.

Graph.

Name:

2. What does m stand for? _____
 3. What does b stand for? _____

4. Formula for Slope Intercept Form: $y =$ _____

5. Formula for Finding Slope: $m =$ _____

Find the slope.

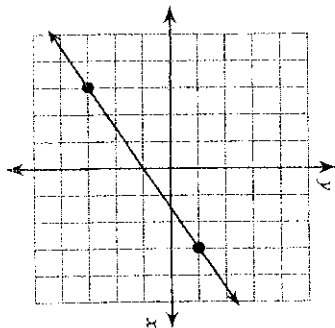
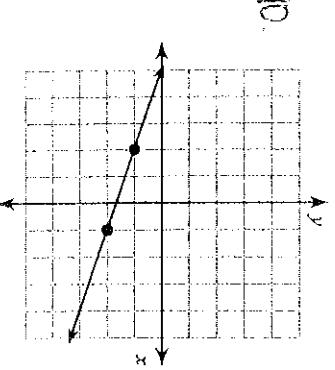
6. (14, 6), (15, 9) 7. (-20, -2), (13, 16)

8.

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

9.

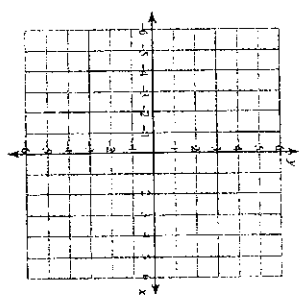
x	y
-2	5
-1	4.75
0	4.5
1	4.25
2	4



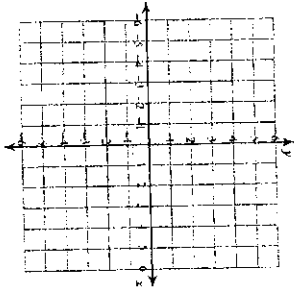
12. Write an equation.
 slope = $\frac{2}{7}$,
 y-intercept = 1

13. slope = -5,
 y-intercept = -3

14. $y = -2$

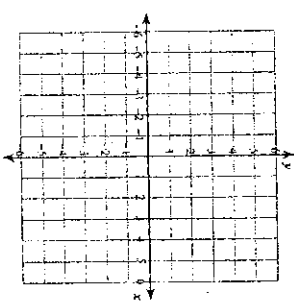


15. $x + 2y = 0$

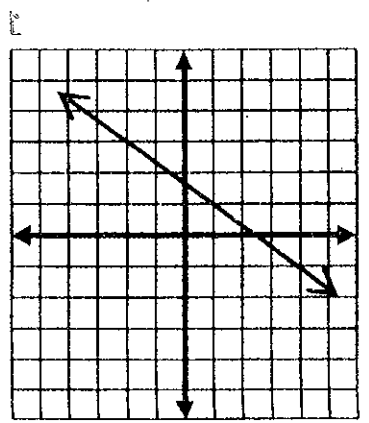


15.

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

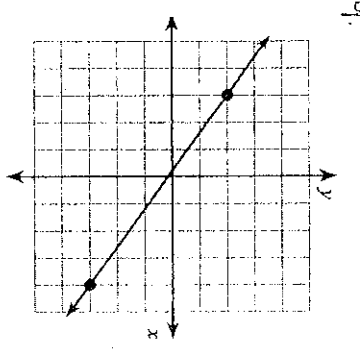
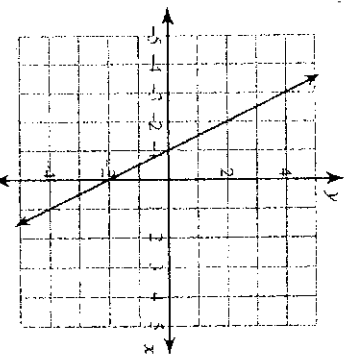
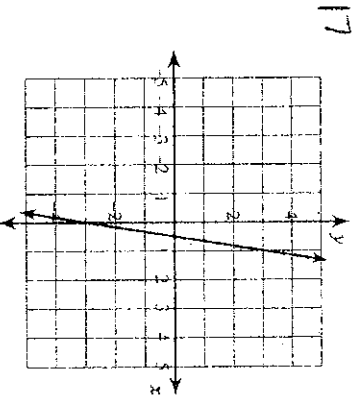


23. Which is true about the given line?



- A) Its slope is $\frac{3}{2}$ and y-intercept of 2.
- B) Its slope is $\frac{2}{3}$ and y-intercept of 2.
- C) Its slope is $\frac{3}{2}$ and y-intercept of -2.
- D) Its slope is $\frac{2}{3}$ and y-intercept of -2.

Determine the equation.



Convert to slope-intercept form and name the slope and y-intercept

20. $2 + y = 3x$ $y =$ _____ $m =$ _____ $b =$ _____

21. $y - 2x = 9$ $y =$ _____ $m =$ _____ $b =$ _____

22. $x + y = -3$ $y =$ _____ $m =$ _____ $b =$ _____

Write the slope-intercept form

24. $8x - 5y = -30$

$y =$

$m =$

$b =$

25. $10x + y = 4$

$y =$

$m =$

$b =$

26. $4x + 5y = -20$

$y =$

$m =$

$b =$

27. $x + y = -1$

$y =$

$m =$

$b =$

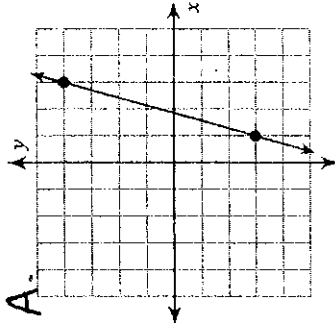
28. $3x + 5y = 30$

$y =$

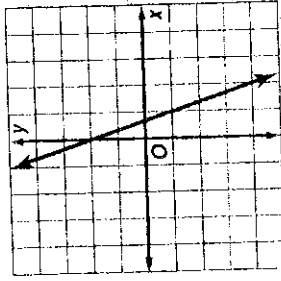
$m =$

$b =$

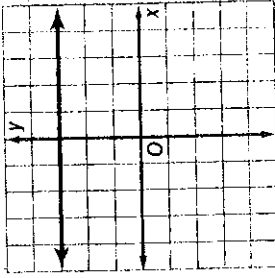
31. Identify the slopes in order from least to greatest. , ,



B.



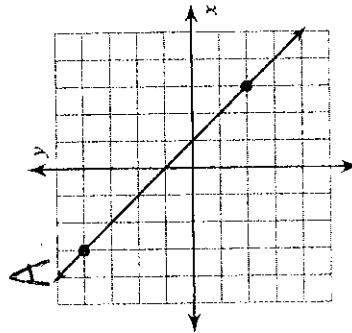
C.



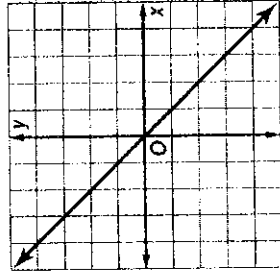
29. Which slope is larger? A or B

B.

(4, 6) and (1, 3)



32. Find the equation of the line.



30. Which slope is smaller? C or D

C.

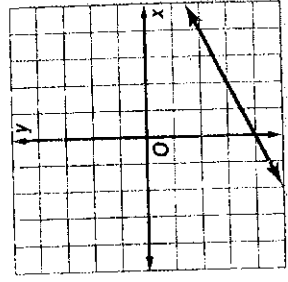
slope = $\frac{3}{5}$,

y-intercept = 6

D.

(5, 0) and (2, -3)

33. Find the equation of the line.



34. Compare the slopes of #32 and #33.

Which is greater? #32 or #33