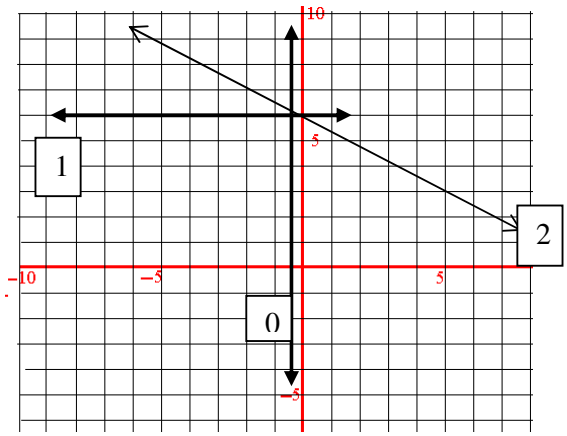
Practice test **y=mx+b**

Name_____
Period _____

Page 1 - Slope

Find the slope of the following lines. If the slope is undefined write "undefined".
Make sure all slopes are in simplest form.



0. m = _____

1. m = _____

2. m = _____

Find the slope of the lines that pass through the following pairs of points.

3. (-2, -4), (-2, 6)

4. (4, 3), (-8, -6)

3. m = _____

4. m = _____

5. (2, 7), (4, 13)

6. (-2, 6), (-12, 6)

5. m = _____

6. m = _____

Find the slope of the lines defined by the following equations.

7. y = 493x – 257

8. 5x – 2y = 48

7. m = _____

8. m = _____

9. y = -7x + 4

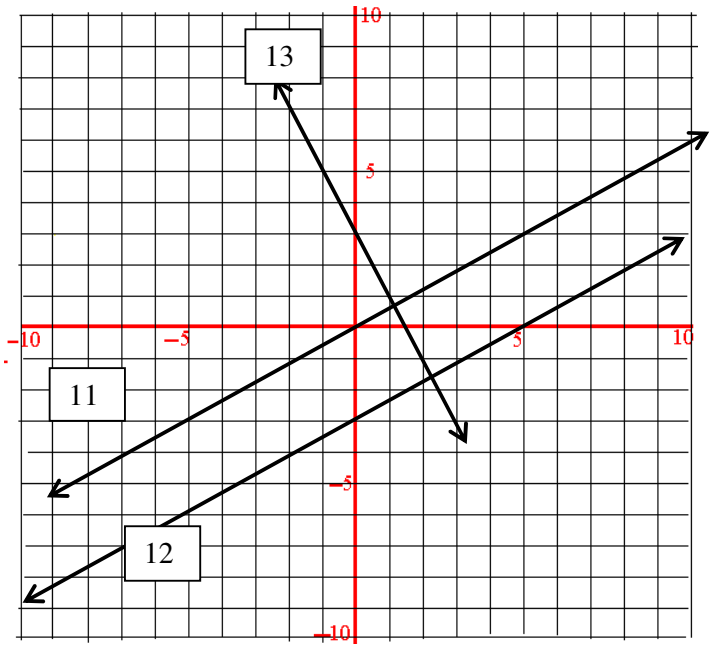
10. $\frac{1}{2}y = 2x - 5$

9. m = _____

10. m = _____

All answers on this page should be the equation of a line <u>in slope intercept form</u>.

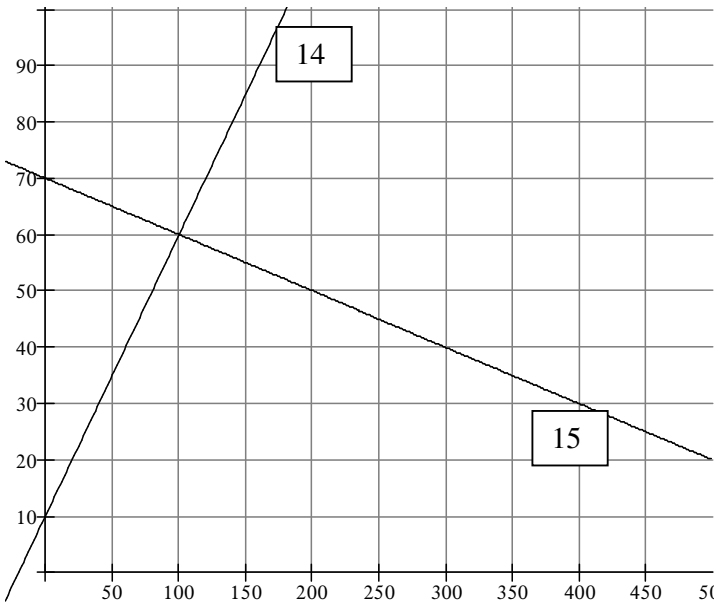
Find an equation in slope intercept form (y = mx + b) for the lines on the graph below.



11. _____

12. _____

13. _____



14. _____

15. _____

Write the slope intercept form of the line with the given information.

16) m = ½ , b = -6

17) m = 5 , b = 2

18) slope is 12, y intercept is 7

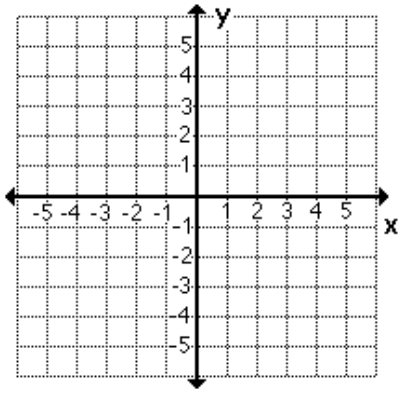
16) _____

17) _____

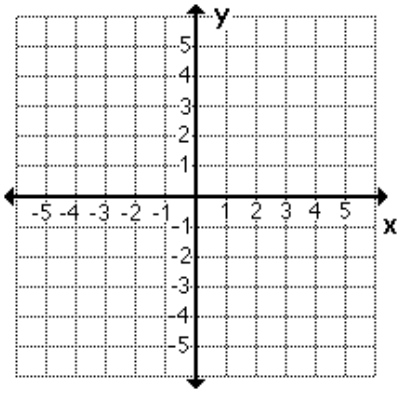
18) _____

Page 3 graphing. Graph the following lines

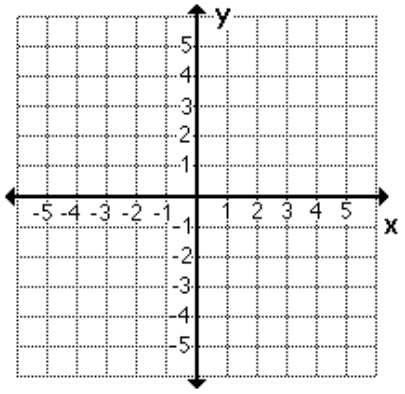
19) y = 3x -4



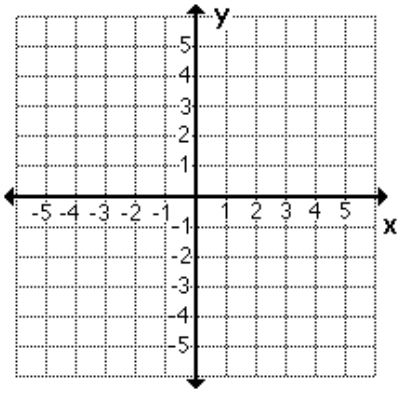
20) 3x + 3y = 18



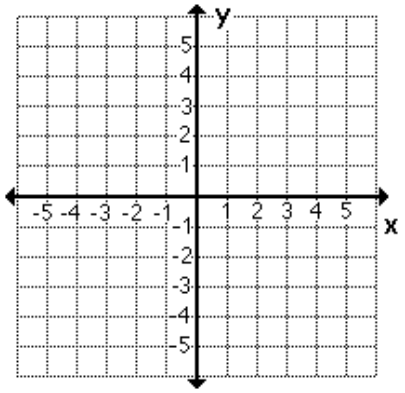
21) $y = \frac{2}{3}x - 5$



22) $y = 4$



23) Passes through (-4, 2), m = -2



24) passes through (-4,-3) and (2,7)