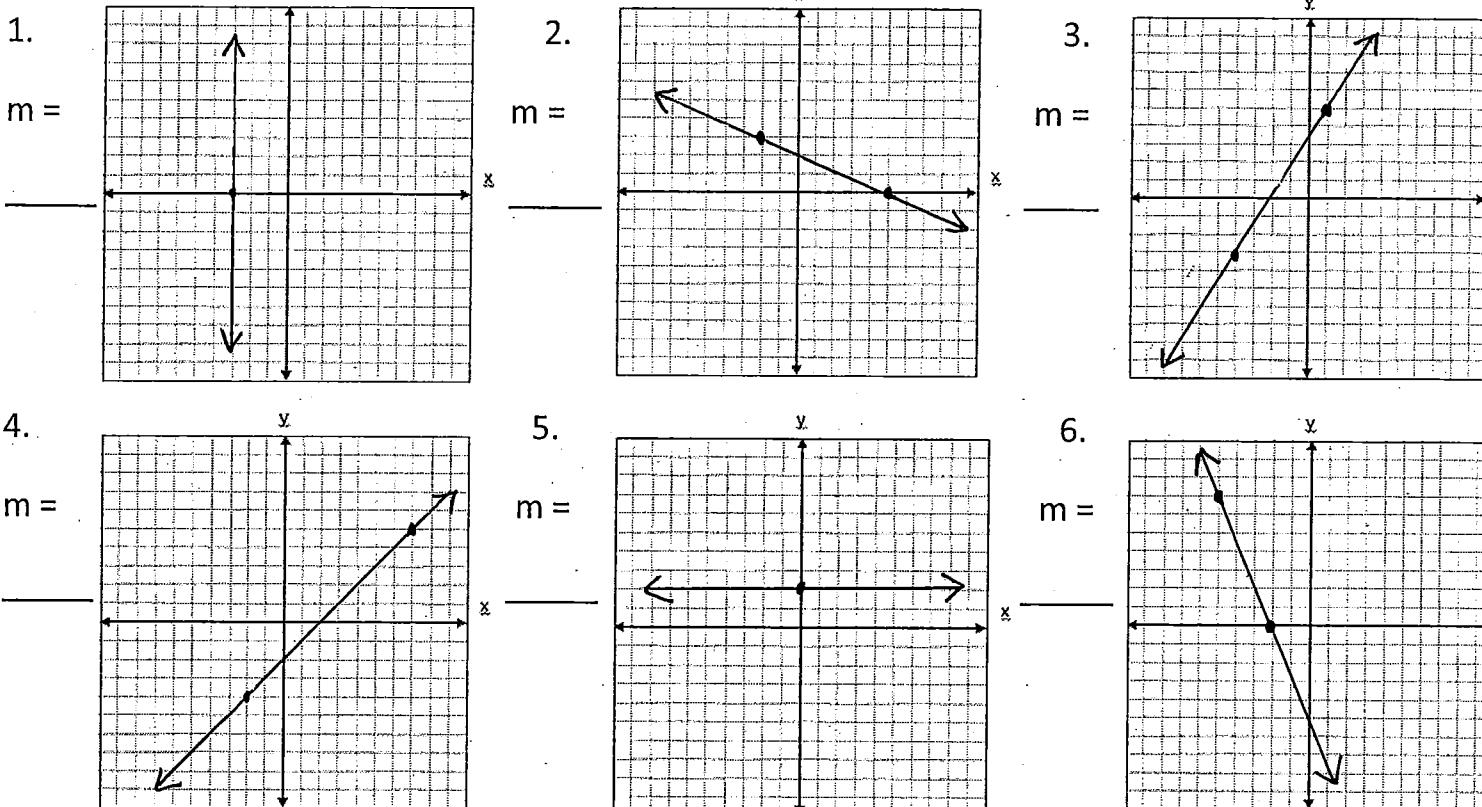


AA Review WS 5.1 & 5.3 with  $y=mx+b$ 

Name: \_\_\_\_\_

Find the slope of each line by counting *rise over run*.

Find the slope of the line that passes through each pair of points (use the formula). Show all work – don't forget to reduce and be careful with your signs.

7.  $(0, 0) (3, 7)$

8.  $(-2, 4) (4, -1)$

9.  $(7, 9) (2, 9)$

10.  $(7, 3) (-2, 8)$

11.  $(10, 2) (10, -5)$

12.  $(6, -3) (16, 2)$

Write an equation of the line in slope intercept form given the slope and the y-intercept.

13.  $m = -4, b = 8$

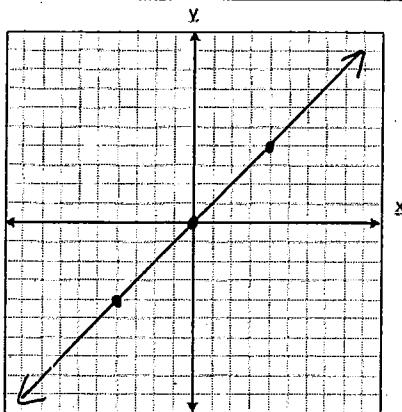
14.  $m = 0, b = 5$

15.  $m = \frac{2}{3}, b = -2$

**Find the slope and the y-intercept, then write an equation in slope intercept form.**

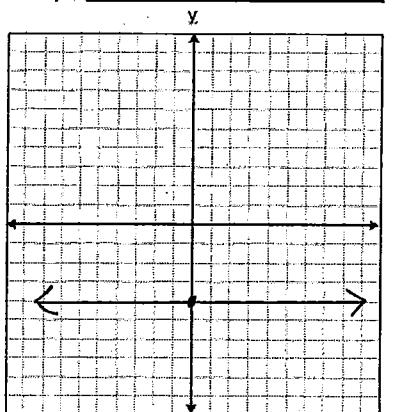
16.  $m = \underline{\hspace{2cm}}$ ,  $b = \underline{\hspace{2cm}}$

Eq: \_\_\_\_\_



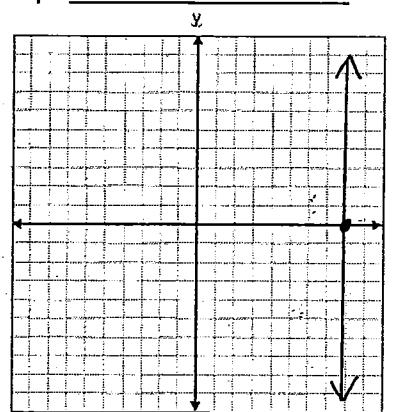
17.  $m = \underline{\hspace{2cm}}$ ,  $b = \underline{\hspace{2cm}}$

Eq: \_\_\_\_\_



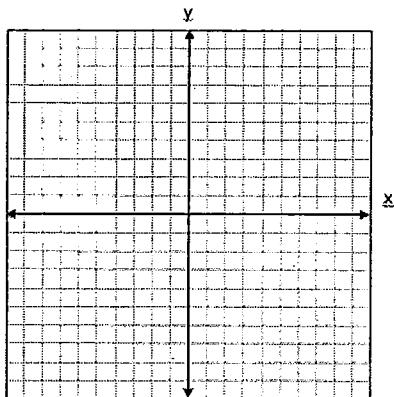
18.  $m = \underline{\hspace{2cm}}$ ,  $b = \underline{\hspace{2cm}}$

Eq: \_\_\_\_\_

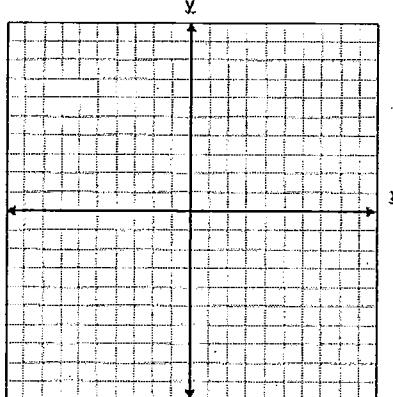


**Graph each equation. If necessary, write the equation in slope intercept form first.**

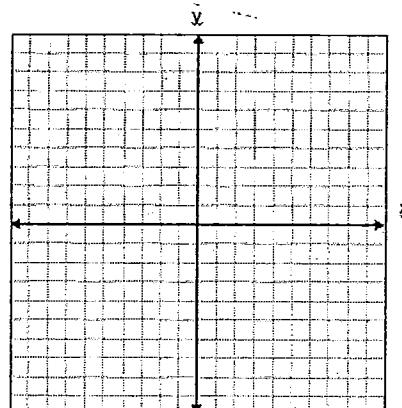
19.  $y = x$



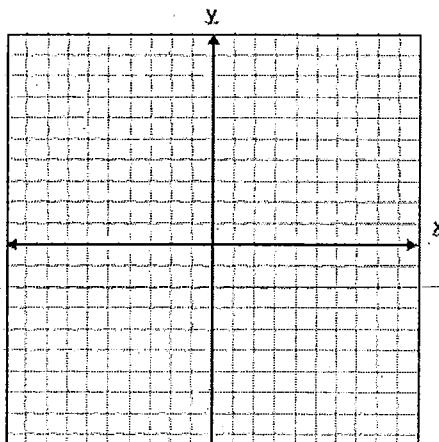
20.  $y + 4 = 2x$



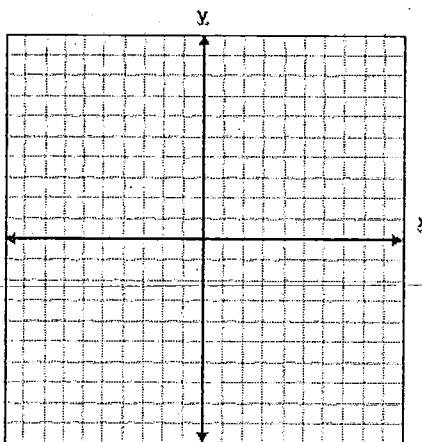
21.  $y = -6$



22.  $2y + 12 = 3x$



23.  $y - 3 + 4x = 0$



24.  $3x - 5 = 1$

