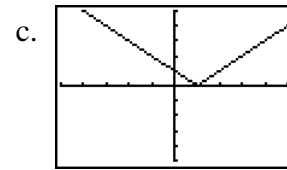
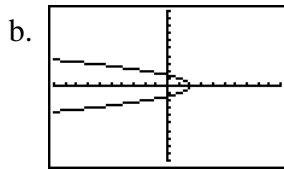
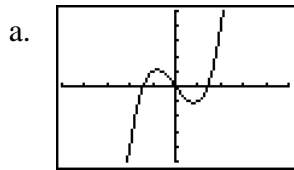


\_\_\_\_\_ 1. Find  $f(-2)$  when  $f(x) = 3x^2 - 2x - 10$ .

\_\_\_\_\_ 2. Indicate which graph(s) represent functions:



3. Complete the chart below for :  $y = \frac{3}{5}x - 1$

x	y
-10	
5	

FOR PROBLEMS 4 AND 5, (A) GIVE THE SLOPE AND (B) GIVE THE Y-INTERCEPT.

\_\_\_\_\_ 4a.  $y = \frac{3}{4}x - 1$

\_\_\_\_\_ 4b.

\_\_\_\_\_ 5a.  $2x + 3y = 9$

\_\_\_\_\_ 5b.

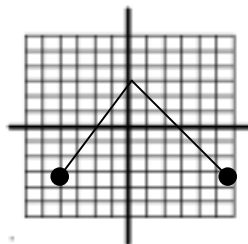
\_\_\_\_\_ 6a. Give the (a) x-intercept and (b) y-intercept:  $3x - 4y = 24$

\_\_\_\_\_ 6b.

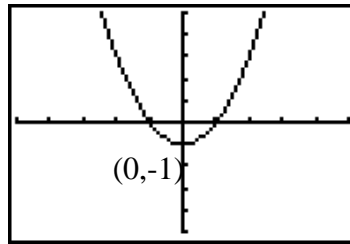
\_\_\_\_\_ 7a. Give the (a) domain and (b) range for the following graph of  $f(x)$ :

\_\_\_\_\_ 7b.

\_\_\_\_\_ 8. Find  $f(1)$ .  
(Use graph to right.)



\_\_\_\_\_ 9a. Give the domain.



\_\_\_\_\_ 9b. Give the range.

GIVE THE DOMAIN FOR THE FUNCTIONS IN PROBLEMS 9 AND 10.

\_\_\_\_\_ 10.  $g(x) = 7x^2 - 2x + 5$

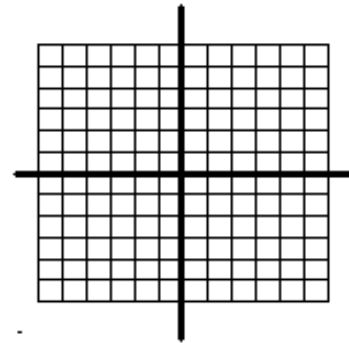
\_\_\_\_\_ 11.  $h(x) = \frac{5-x}{x+1}$

\_\_\_\_\_ 12. Find the slope of the line passing through (2, 6) and (-6, 8).

\_\_\_\_\_ 13. Sketch the graph of  $y = -\frac{2}{3}x + 4$ .

\_\_\_\_\_ 14. Write the slope-intercept form of the line:  $3x + 4y = 8$

\_\_\_\_\_ 15. Write the equation of the line that passes through (-1,5) and has an undefined slope.



\_\_\_\_\_ 16. Write the equation of the line in **slope-intercept** form with a slope of 3 and passing through (1, 5).

\_\_\_\_\_ 17. Write the equation of the line in slope-intercept form with a slope of  $\frac{3}{4}$  and passing through (-8,4).

\_\_\_\_\_ 18. Write the equation of the line in **point-slope** form that passes through (-3, 2) and (-6, 8).

\_\_\_\_\_ 19. Write the equation of the line that passes through (1, 3) and (-2, 3).



