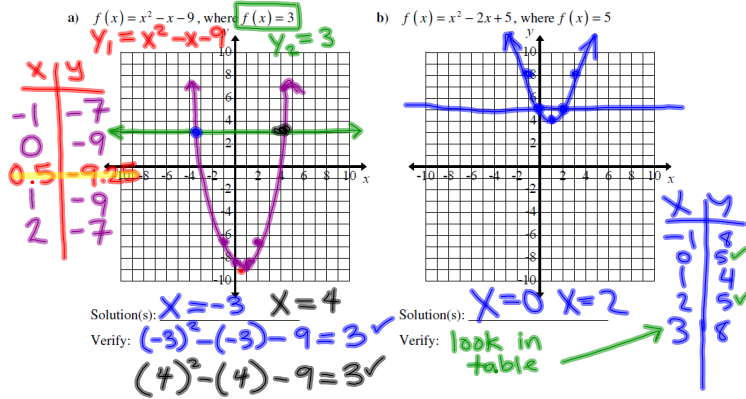
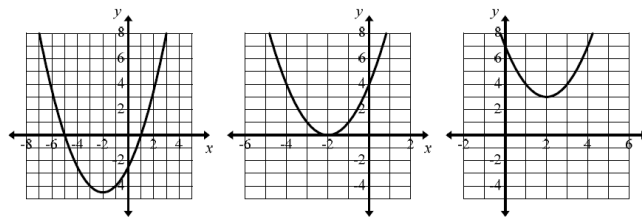


- 4) Graph the function  $f(x)$  below. Use the graph to identify the solutions to  $f(x) = k$ . Verify your results algebraically.

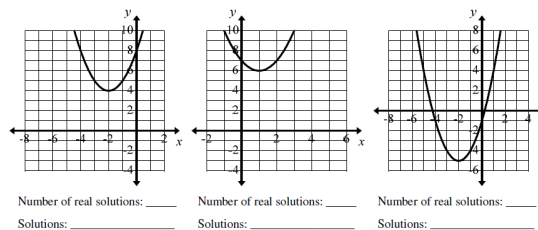


- 5) Given each graph of  $y = f(x)$ , determine how many real solutions the equation  $f(x) = 0$  would have and state those solutions.



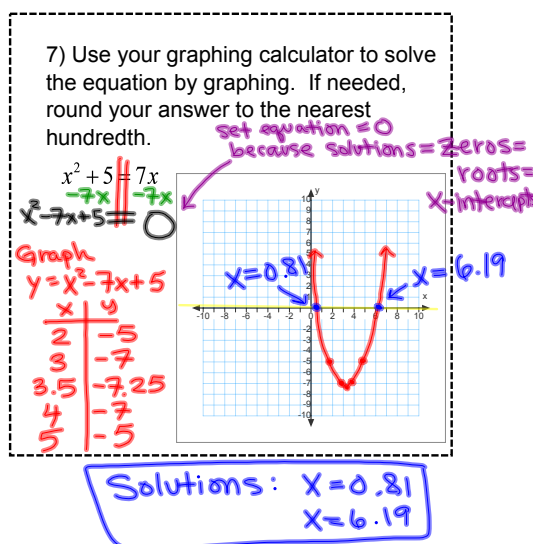
Number of real solutions: \_\_\_\_\_ Number of real solutions: \_\_\_\_\_ Number of real solutions: \_\_\_\_\_  
 Solutions: \_\_\_\_\_ Solutions: \_\_\_\_\_ Solutions: \_\_\_\_\_

- 6) Given each graph of  $y = f(x)$ , identify the number of real solutions for the equation  $f(x) = 4$ . Name the real solutions.



Number of real solutions: \_\_\_\_\_ Number of real solutions: \_\_\_\_\_ Number of real solutions: \_\_\_\_\_  
 Solutions: \_\_\_\_\_ Solutions: \_\_\_\_\_ Solutions: \_\_\_\_\_

tape this example onto the bottom of the page



HOMEWORK:

*P-2*

*#11, 13, 15, 18*