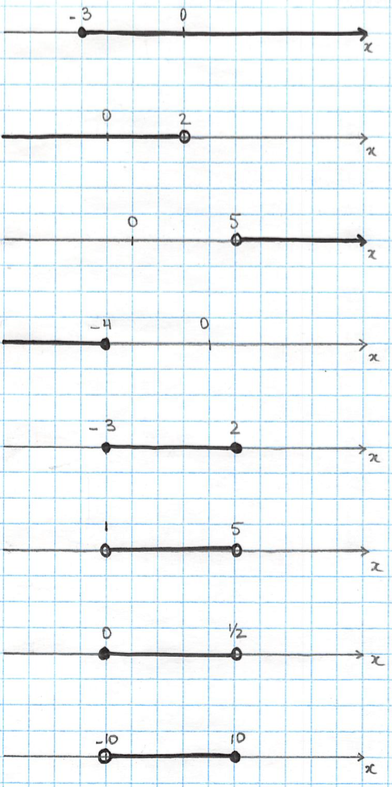
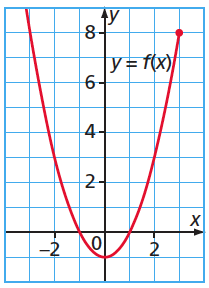
**Functions Review - worksheet**

1. Write these solutions as an interval or a set of values.  
   
2. Write as a set of values  
   a) b)   
     
     
     
   c) d)

1. Write as an interval.  
   a) b)   
     
     
   c) d)   
     
     
   e) f)
2. , determine:  
   a)   
     
     
     
     
   b) the value of *x* for which .
3. Determine what the dependent and independent variables are:  
   a) Volume of a sphere:   
     
     
     
     
     
   b) At the theatre, the price paid P and the number of tickets bought n.
4. Determine the domain of the following relation: {(8 ;10) ; (5 ;7 ) ; (9 ;-11) ; (6 ;-8)}
5. Determine :



Domain :\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

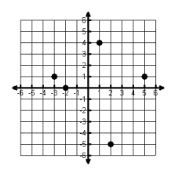
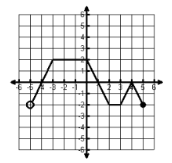
Range :\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_ = \_\_\_\_\_\_\_\_

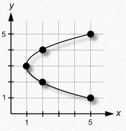
Determine so that : \_\_\_\_\_\_\_\_\_

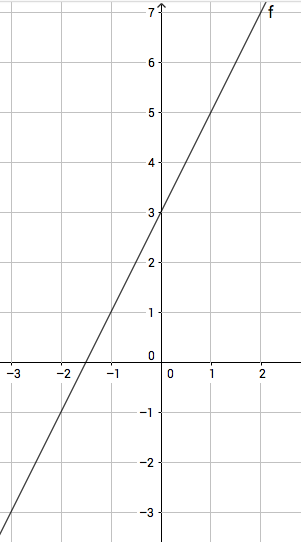
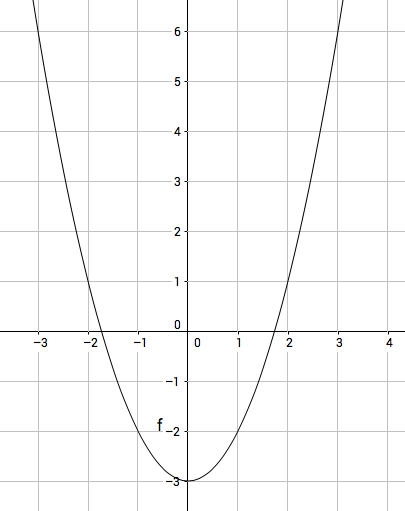
Determine so that : \_\_\_\_\_\_\_\_\_

1. Determine Domain, Range and if it’s a function :   
   a) b)

c) d)

1. Fill the tables of values :  
     
   a) b)   
    

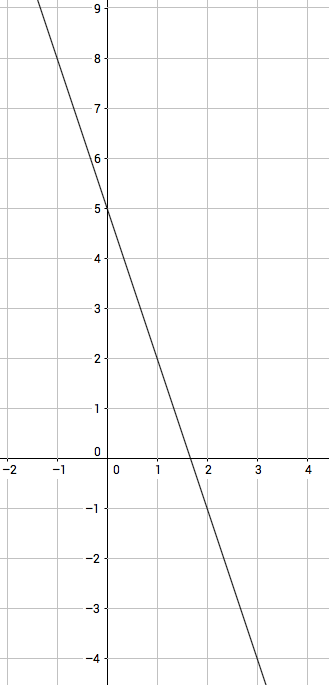
a)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| *x* | -3 | 0 | 1 |  |
| *y* |  |  |  | -1 |

b)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| *x* | -1 | 0 |  |  |
| *y* |  |  | 1 | 6 |

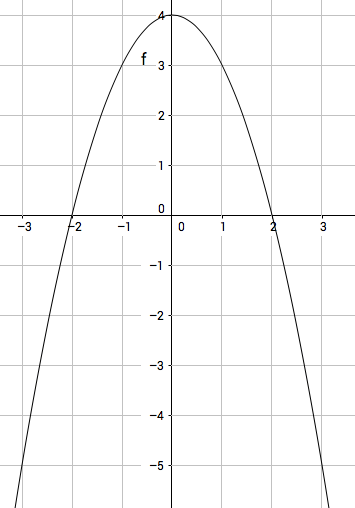
What are the intercepts ? (determine graphically, and approximate if need be)

1. Determine the following values for *f*:  
    

*x* such that

*x* such that

1. Determine the following values for *f*:



*x* such that

*x* such that

1. Graph the following functions and determine algebraically their intersects:

a)



b)



c)

