**USUAL FUNCTIONS - worksheet**

1. Rewrite in slope-intercept form:
a) b)
2. Determine the equations of the following linear situations:
a) b)
  

c) Your phone bill is made of a flat fee and some extra charges for each GB that you have downloaded. If you downloaded 100GB, your bill is $70. If you downloaded 40GB, your bill is $61.
3. Graph the following functions with precision:
a) b) c)

4. Is the point (-300 ; 100) on the line: ?
5. Let’s consider A(0 ; 4), B(5 ; -3), C(2 ; -5) et D(-3 ; 2).
a) prove that lines (AB) and (CD) are parallels.

b) Is ABCD a rectangle ?
6. Graph the following functions. Determine their exact characteristics. Make a table of values. Détermine their domain and range.

a)


b)


c)
d)


1. Determine the equations of the following parabolas:

2. Graph the following functions and write them piecewise:
a) b)

 
3. What are the characteristics of a reciprocal function?
4. Graph the following functions:
a) b)

 
5. Graph: a) b)

 