Transforming Functions continued

While working in a group make sure you:

- Expect to make mistakes but be sure to reflect/learn from them!
- Are civil and are aware of your impact on others.
- Assume and engage with the strongest argument while assuming best intent.

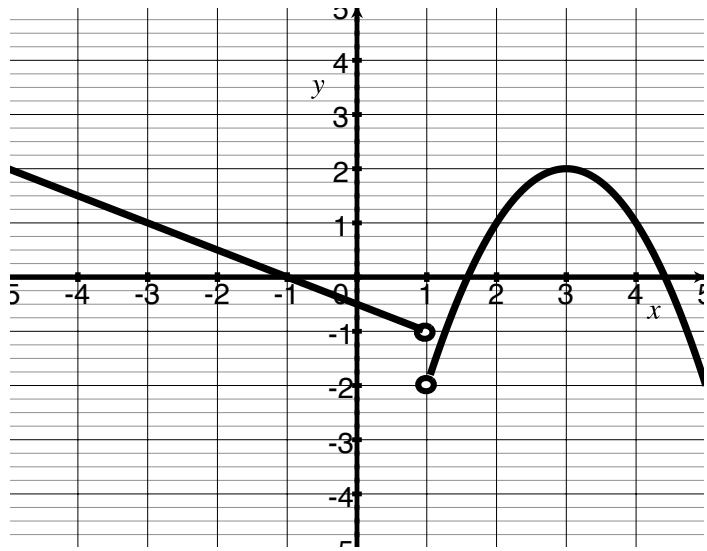
1. The graph of a piece-wise defined function labeled g is below. To be explicit, all the pieces below make up the graph of g.

   (a) Is g a function?
   Why or why not?

   (b) Find the domain of g.

   (c) For what value(s) of x does $g(x) = 1$?

   (d) Given that g is comprised of a line and a parabola, find the piece-wise defined algebraic rule of g.



   (e) Draw the graphs of $m(x) = -2g(x) + 1$ on the set of axes.