1. Consider the following graph.

(a) Does the graph represent a function?
   No, it does not represent a function. It fails the vertical line test. In particular, the $y$-axis is a vertical line which crosses the graph at two points.

(b) Find the domain of the relation.
   
   $[-5, 5]$

(c) Find the range of the relation.
   
   $[-5, 5]$

2. For the function $f$ given by $f(x) = x^2 + x - 3$, find $f(2)$.

   $f(2) = 2^2 + 2 - 3$
   $= 4 + 2 - 3$
   $= 3$