MEMORIAL UNIVERSITY OF NEWFOUNDLAND
DEPARTMENT OF MATHEMATICS AND STATISTICS

For practise only. Not to be submitted.

1. Given the function
$$f(x) = \frac{5}{2}x - 3,$$
   determine each of the following.
   - (a) $f(0)$
   - (b) $f(1)$
   - (c) $f(-1)$
   - (d) $f(-2)$
   - (e) $f(10)$
   - (f) $f\left(-\frac{1}{10}\right)$
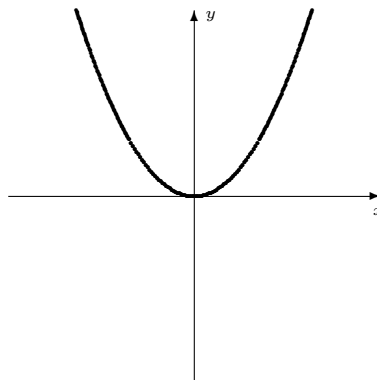
2. Given the function
$$g(x) = x(2 - x),$$
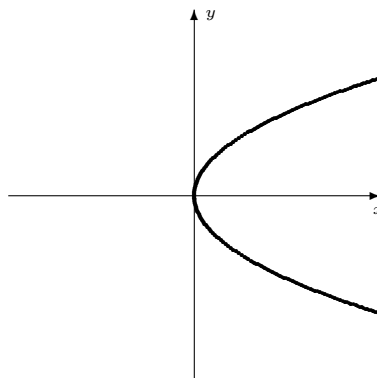   evaluate each of the following. Plot each point on the Cartesian plane.
   - (a) $g(2)$
   - (b) $g(-1)$
   - (c) $g\left(\frac{5}{2}\right)$

3. For each of the following graphs, determine whether it is the graph of a function. Explain your answer in each case.
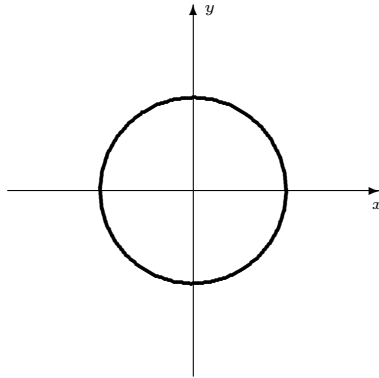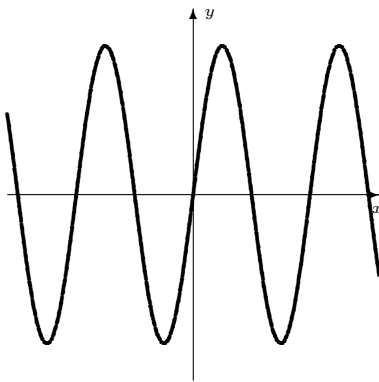
   (a)

   (b)

(c)

(d)

(e)