(6 points) The table gives the values of a function f.

x	2	4	6	8
f(x)	15	9	6	2

(a) If f could be a linear function, find a possible formula for f. If not, explain why not.

The function is not linear because 17 is not

ansterd. 15-9 = -3 + 9-6 = -3

(b) If f could be an exponential function, find a possible formula for f. If not, explain why not.

It function is not exposential because nations
of of values over equally- great x- relies are
not contact -- ie; not a constant to note of change.

2. (8 points) For the periodic function with the graph given below, determine:

(a) the period of the function;

(b) the amplitude of the function;

(c) a possible formula for the function. $f(x) = 2 \cos (\pi / x)$