

1. (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.

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

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. $f(x) =$ _____

