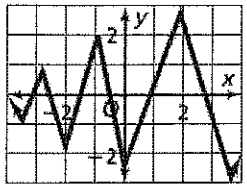
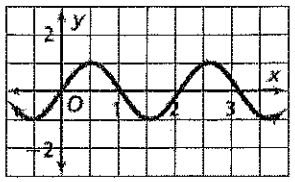
13.1 HW

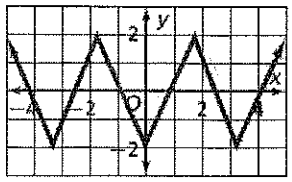
1) Determine whether each function is or is not periodic. If it is, find the period.

a. 

Not periodic

b. 

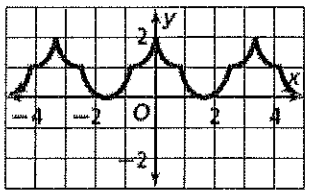
Period: 2

c. 

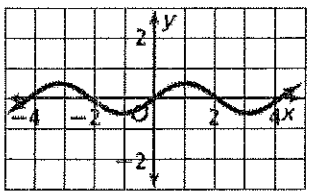
Period: 3 1/3

2) For each function, identify one cycle in two different ways. Then determine the period of the function.

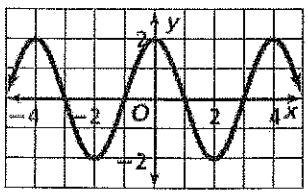
+ Amplitude

a. 

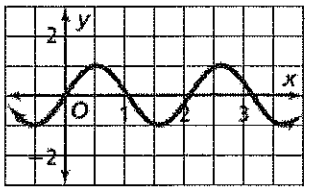
From 0 to 3 1/3 Period: 3 1/3
-1 2/3 to 1 2/3 Amp: 1

b. 

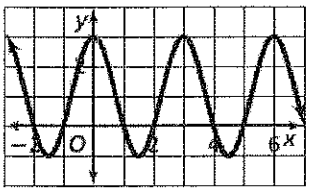
From 0 to 4 1/4 Period: 4 1/4
-3 1/4 to 1 Amp: 1/2

c. 

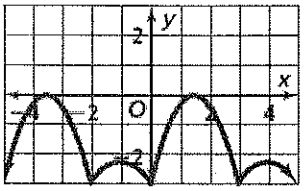
From 0 to 4 Period: 4
-1 to 3 Amp: 2

d. 

From 0 to 2 1/8 Period: 2 1/8
1 1/8 to 3 1/4 Amp: 1

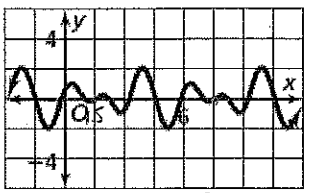
e. 

From 0 to 3 Period: 3
1.5 to 4.5 Amp: 2

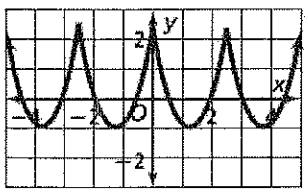
f. 

From -2 to 3 Period: 5
0 to 5 Amp: 1.5

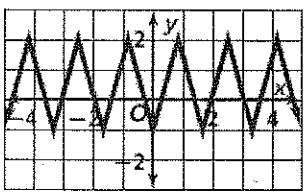
Goes by 1.5, 0

g. 

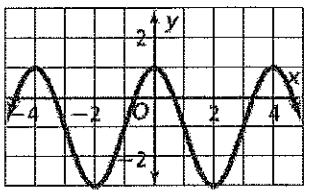
From -1.5 to 4.5 Period: 6
1.5 to 7.5 Amp: 2
0 to 6

h. 

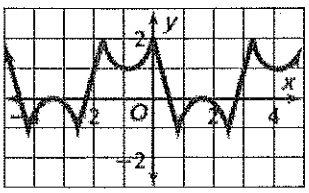
From 0 to 2.5 Period: 2.5
-1 1/4 to 1 1/4 Amp: 1.75

i. 

From: 0 to 1 2/3 Period: 3 2/3
2/3 to 2 1/3 Amp: 1.75

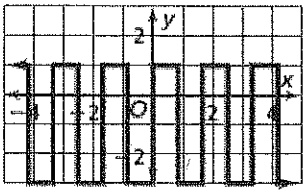
j. 

From: 0 to 4 Period: 4
-5 to -1 Amp: 2

k. 

From -5 to 0 Period: 5
0 to 5 Amp: 1.625

$\frac{2-(-1.25)}{2} = \frac{3.25}{2} = 1.625$

l. 

From: 0 to 1 2/3
-1 2/3 to 0

Period: 1 2/3
Amp: 2