1. Suppose f(x) is a periodic function with a period of 15.

Use this information to answer the following questions:

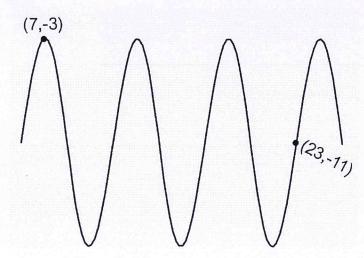
f(5) = -9 and f(16) = 27

a) Find f(-25)

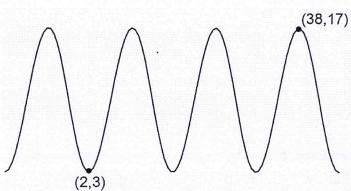
b) Find *f*(76)

2. For each of the periodic functions below find the EXACT period, amplitude, and equation of the midline.

a)



b)



Bellwork

Alg 2B

Monday, March 5, 2018

Answers

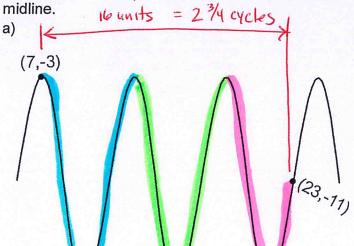
1. Suppose f(x) is a periodic function with a period of 15. Use this information to answer the following questions:

a) Find f(-25)

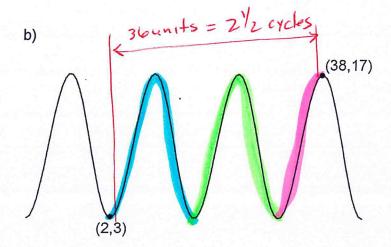
f(5) = -9 and f(16) = 27

$$f(16) = f(76) = 27$$

2. For each of the periodic functions below find the EXACT period, amplitude, and equation of the midline.



period =
$$\frac{16}{2^{3/4}} = \frac{16}{11} = 16.\frac{4}{11} = \frac{64}{11}$$



$$period = \frac{36}{3\%} = \frac{36}{5\%} = \frac{36}{5} = \frac{72}{5}$$