

Name: _____

QUIZ – MATH GRADE 11

1. (60%) Given the function $f(x) = -2\sin(3x) + 5$. Fill the blanks:

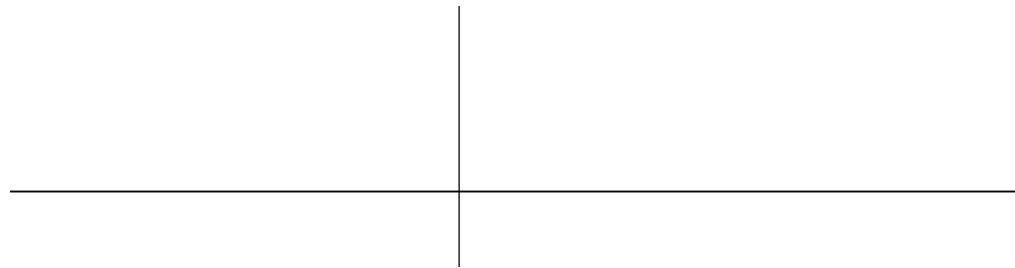
a. (5%) Amplitude = _____

b. (10%) Period = _____

c. (5%) Midline is: _____

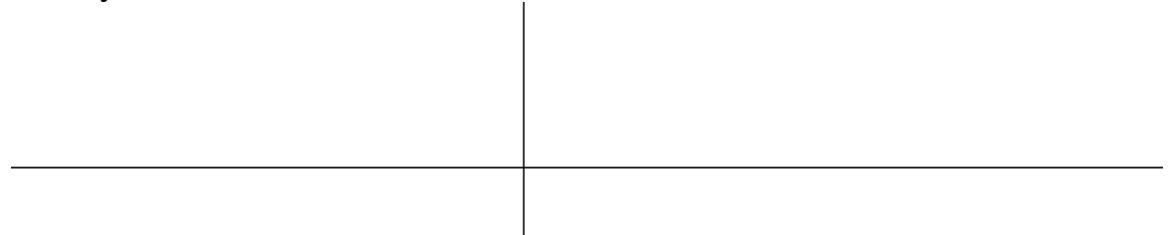
d. (5%) Range: _____

e. (10%) Sketch 1 period on each side of the y axis. Indicate on the graph the coordinates of y int, x int max and min



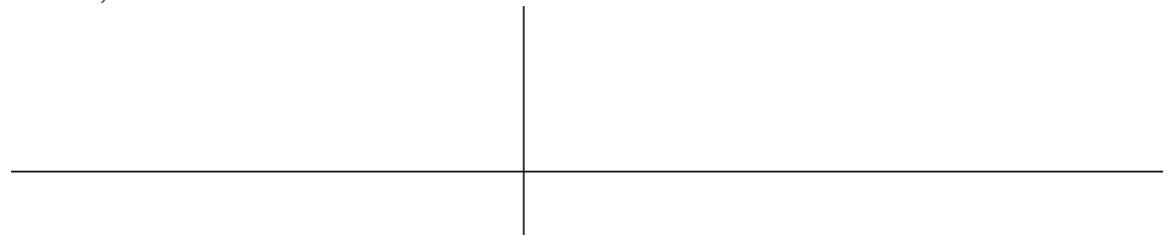
f. (2%) $f(x - 1) - 2 =$ _____

g. (8%) Sketch $f(x - 1) - 2$. Indicate on the graph the coordinates of y int, x int max and min.

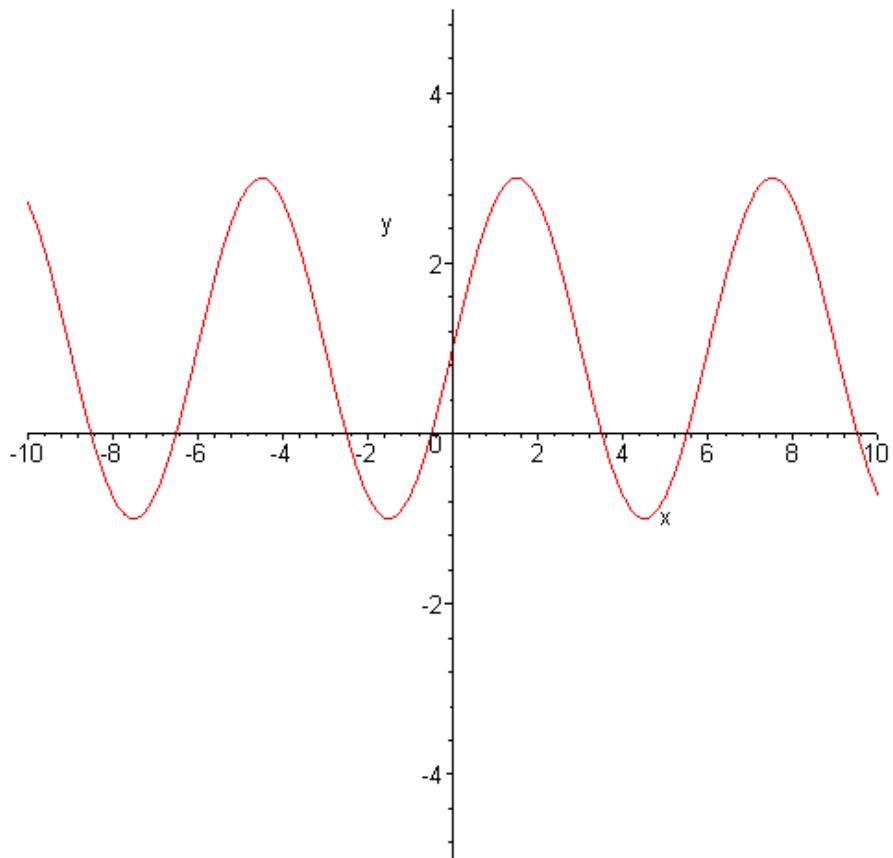


h. (5%) $f(2x) =$ _____

i. (10%) Sketch $f(2x)$. Indicate on the graph the coordinates of y int, x int max and min.



2. (40%) Given the function. Fill the blanks:



a. (5%) Amplitude = _____

b. (5%) Period = _____

c. (5%) Midline is: _____

d. (5%) Range: _____

e. (10%) $f(x) = \underline{\hspace{2cm}} \sin(\underline{\hspace{2cm}})$ _____

f. (10%) $f(x) = \underline{\hspace{2cm}} \cos(\underline{\hspace{2cm}})$ _____