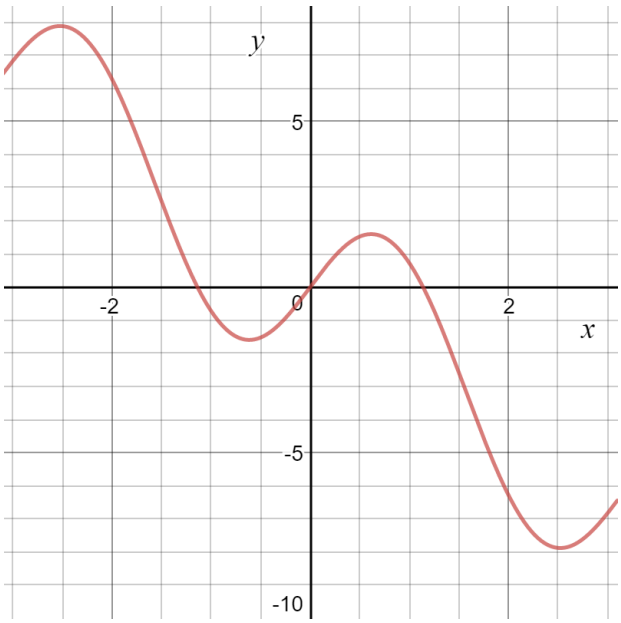
Answer on Question # 73838 – Math – Trigonometry

Question

Sketch the graph of y=-2x+3sin2x. Be sure to state the two equations the graph oscillates between.

Solution

here is the graph:



Since the sin function takes values in the interval [−1, 1], then the equations of the parallel lines are:

$y = -2x+3(-1), \quad y = -2x - 3;$

$y = -2x+3(1), \quad y = -2x + 3.$