**7**. [6 points] Define the piecewise function g(x) as below, where a and b are constants.

$$g(x) = \begin{cases} a + b \sin(\pi(x+2)) & x \le -2\\ -3(x+2) + 4 & x > -2 \end{cases}$$

Find one pair of **exact** values for a and b such that g(x) is differentiable, or write NONE if there are none. You do not need to simplify your answers but be sure your work is clear.

Answer:  $a = \_$  and  $b = \_$