

1. In the spreadsheet (LibreOffice Calc), perform calculations and draw the graph of the function:

$$g(x) = \begin{cases} \sin(x) & \text{for } x \in \langle -7, -3 \rangle, \\ (x+2)^2 & \text{for } x \in \langle -3, 2 \rangle \end{cases}$$

2. Format the graph created in point 1:

Place the graph title: "Function g(x)"

X-axis title: "x"

Y-axis title: "g(x)"

limit the x-axis range to the interval  $\langle -7, 2 \rangle$ , main interval every 1,  
data series color: red

3. Calculate two new data series for functions shown below:

- $f(x) = \sin(x+2)$  for  $x \in \langle -7, 2 \rangle$

- $h(x) = \frac{\cos(x^2)}{3}$  for  $x \in \langle -7, 2 \rangle$

4. Add f(x) and h(x) to the graph