

Zadanie 3.

In[48]:= **solution = DSolve[{y'[x] + 6 y[x] == Cos[2 x], y[0] == 1}, y[x], x] // Simplify**

Out[48]= $\left\{ \left\{ y[x] \rightarrow \frac{1}{20} \left(17 e^{-6 x} + 3 \cos[2 x] + \sin[2 x] \right) \right\} \right\}$

In[49]:= **Plot[y[x] /. solution[[1]], {x, 0, 2 π}]**

