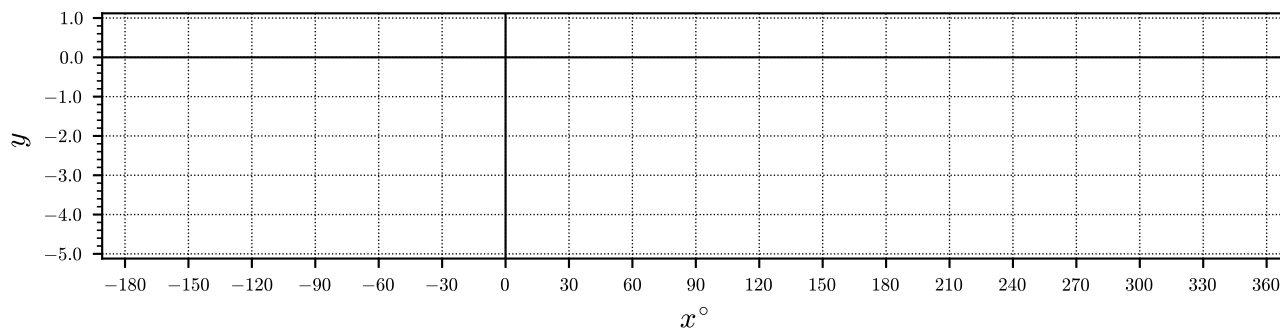


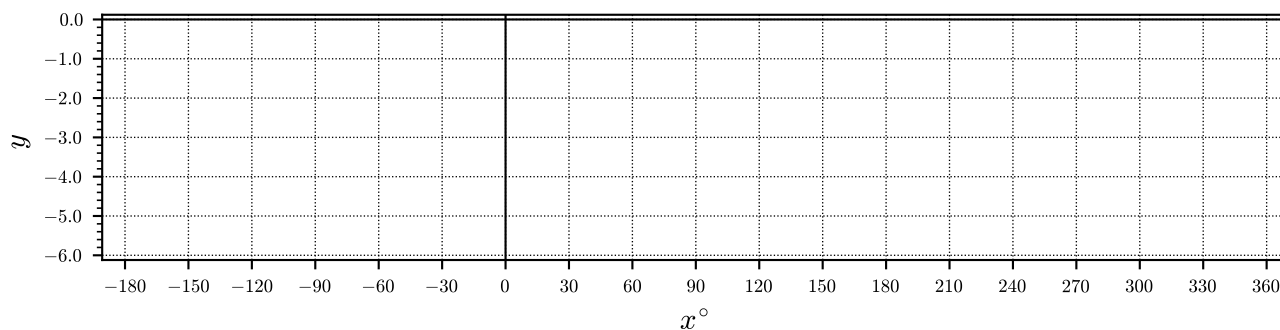
# WORKSHEET

Sketch the curve of the function on the interval  $-180^\circ \leq x \leq 360^\circ$ .

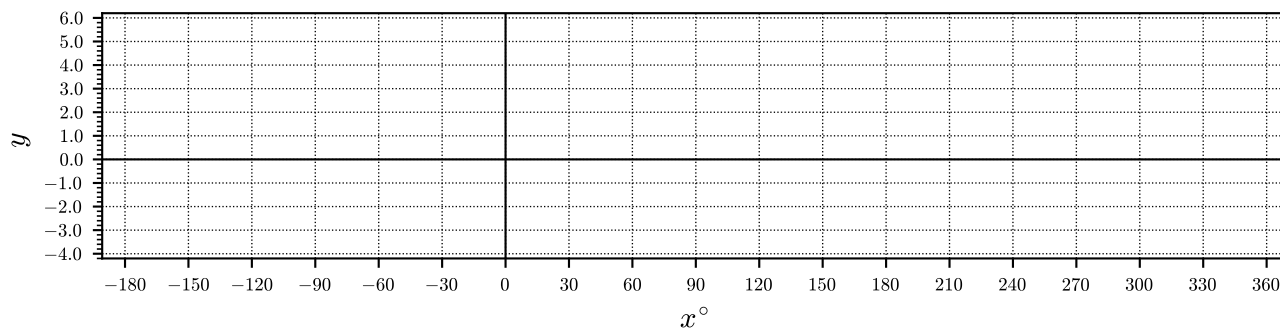
0.  $y = -2 \sin(2x) - 2$



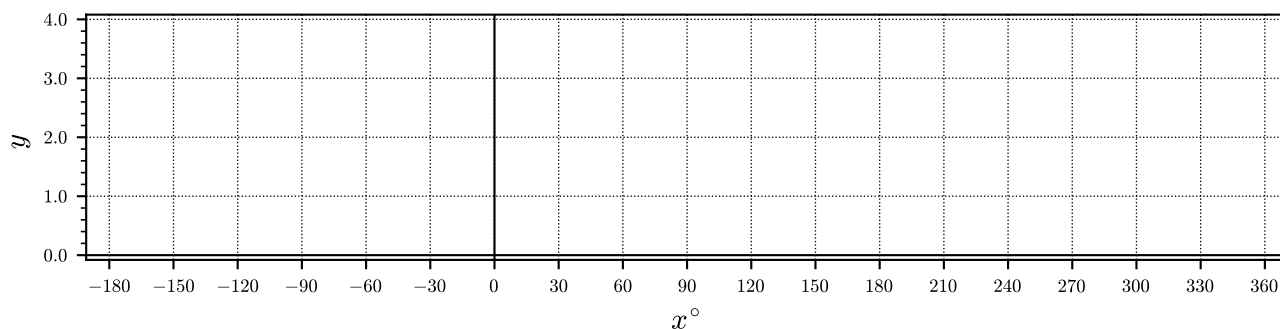
1.  $y = 2 \sin(x - 90) - 3$



2.  $y = -4 \sin(3x - 120) + 1$

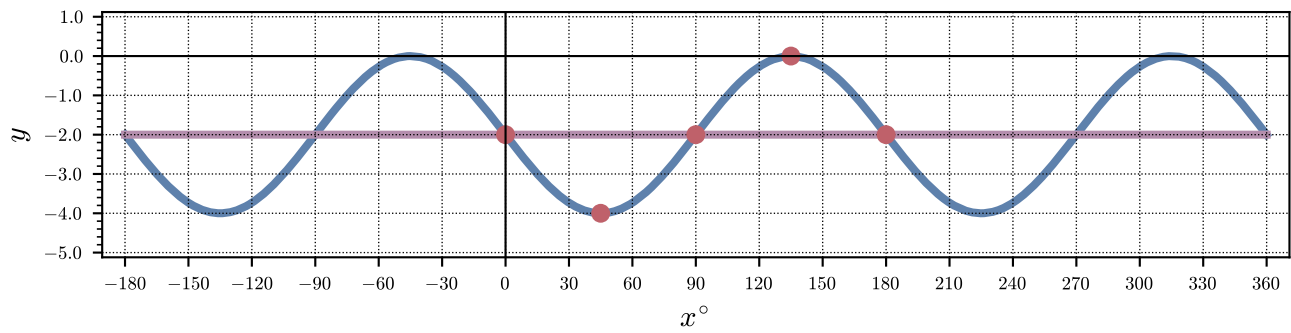


3.  $y = -\sin(-2x - 150) + 2$

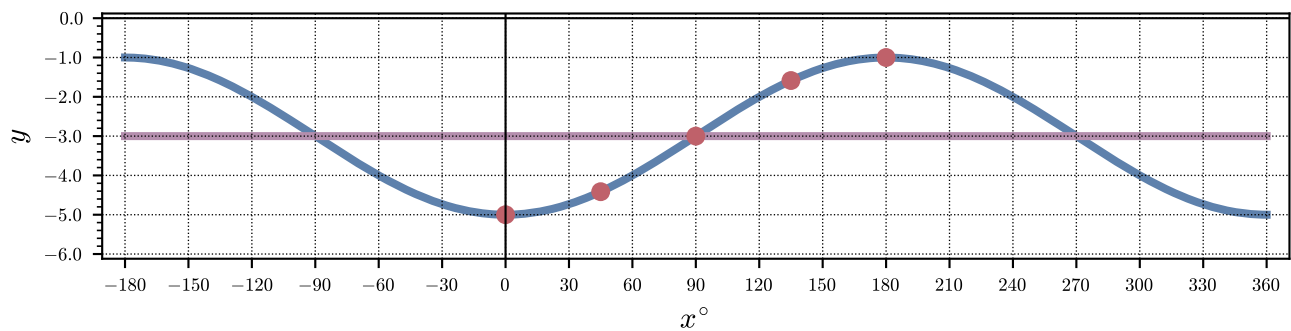


# ANSWERS

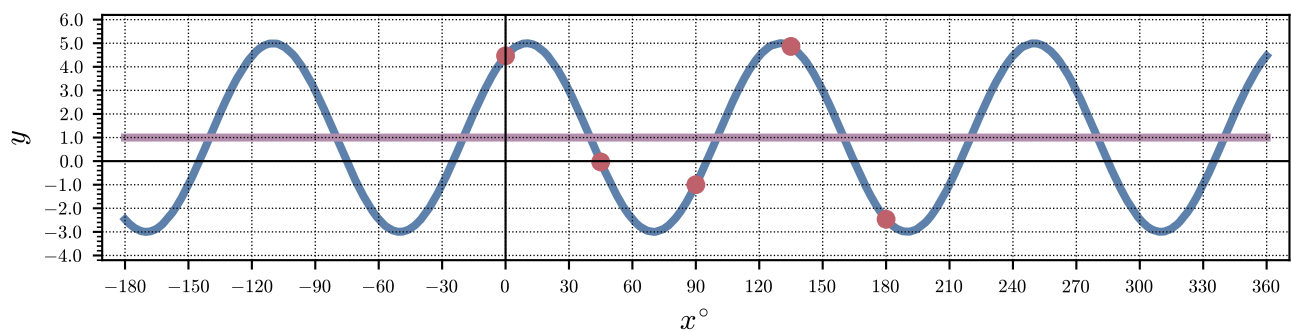
0.  $y = -2 \sin(2x) - 2$



1.  $y = 2 \sin(x - 90) - 3$



2.  $y = -4 \sin(3x - 120) + 1$



3.  $y = -\sin(-2x - 150) + 2$

