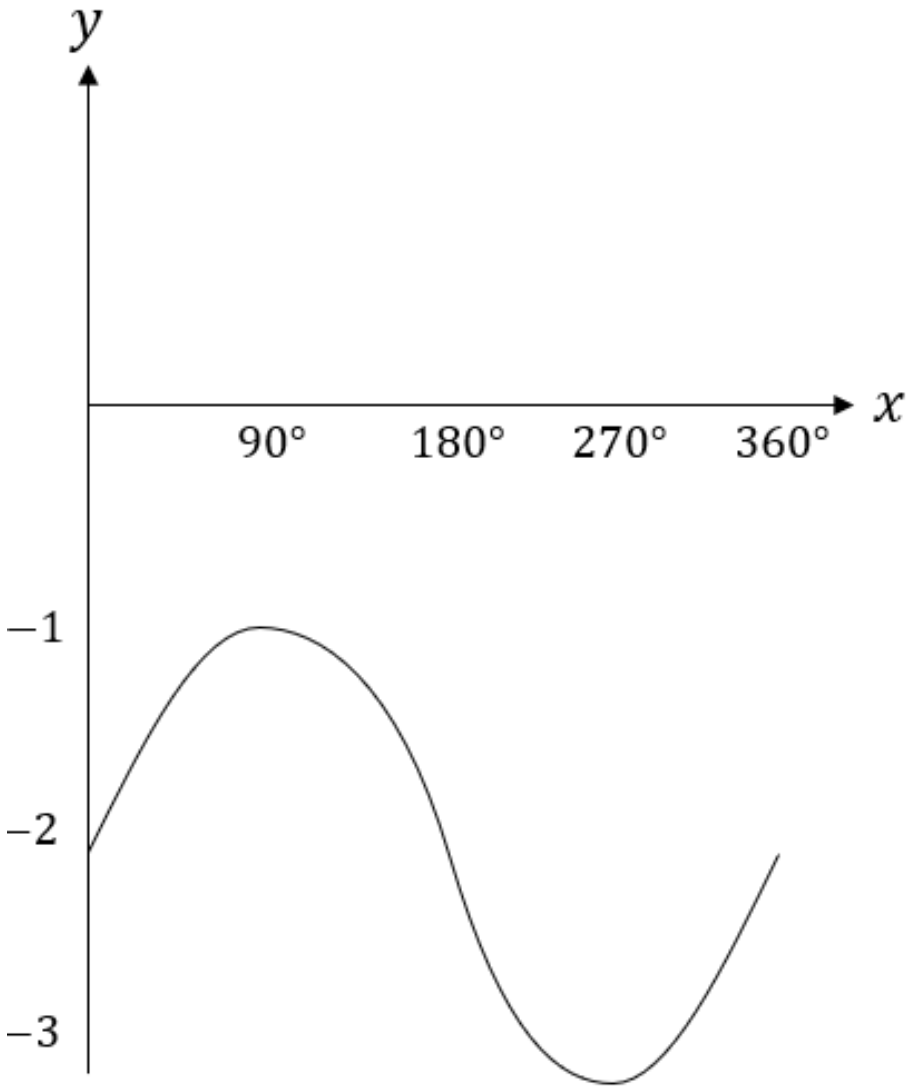
9.6) Transforming trigonometric graphs

Worked example

Sketch $y = \cos x + 1, 0 \leq x \leq 360°$

Your turn

Sketch $y = \sin x - 2, 0 \leq x \leq 360°$

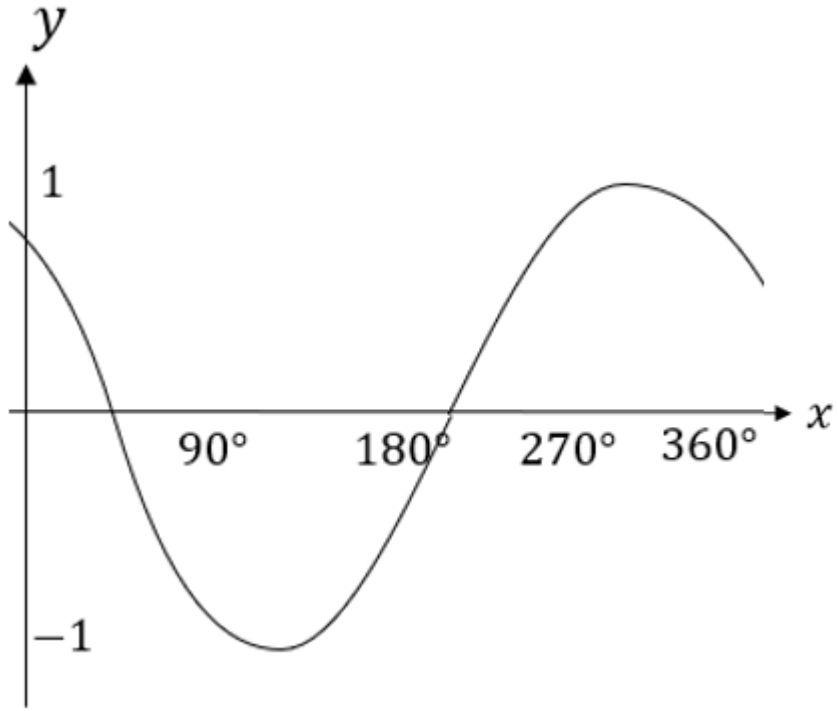


Worked example

Sketch $y = \sin(x - 45°), 0 \leq x \leq 360°$

Your turn

Sketch $y = \cos(x + 45°), 0 \leq x \leq 360°$

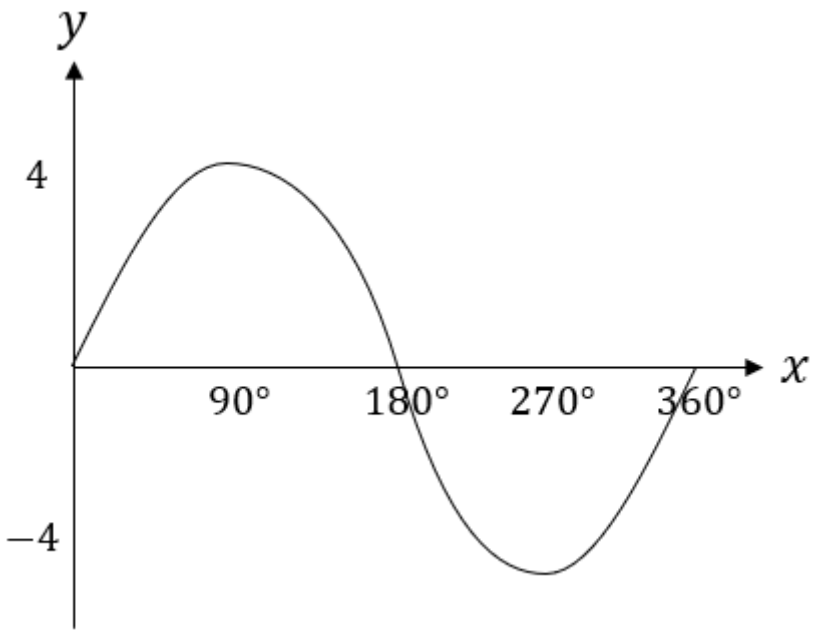


Worked example

Sketch $y = 3\cos x, 0 \leq x \leq 360°$

Your turn

Sketch $y = 4\sin x, 0 \leq x \leq 360°$



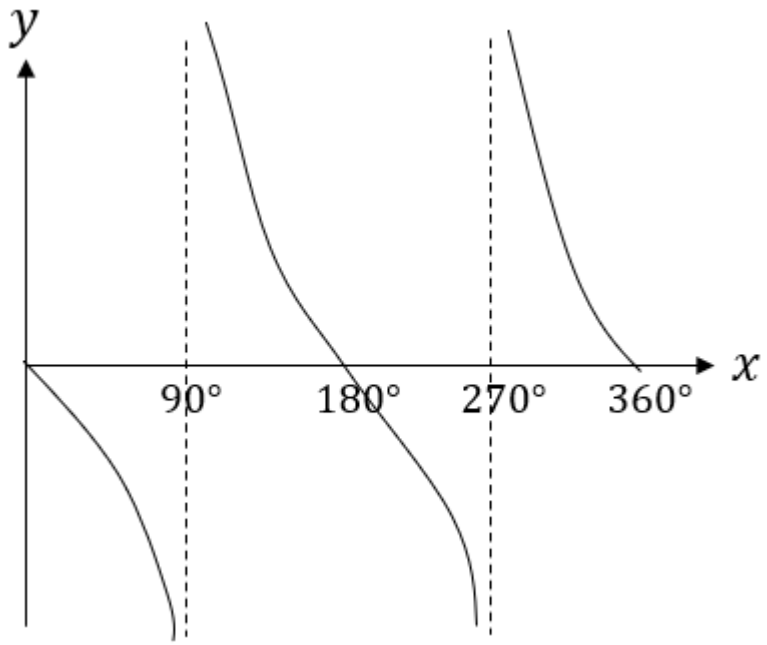
Worked example

Sketch $y = -\sin x, 0 \leq x \leq 360°$

Sketch $y = \cos(-x), 0 \leq x \leq 360°$

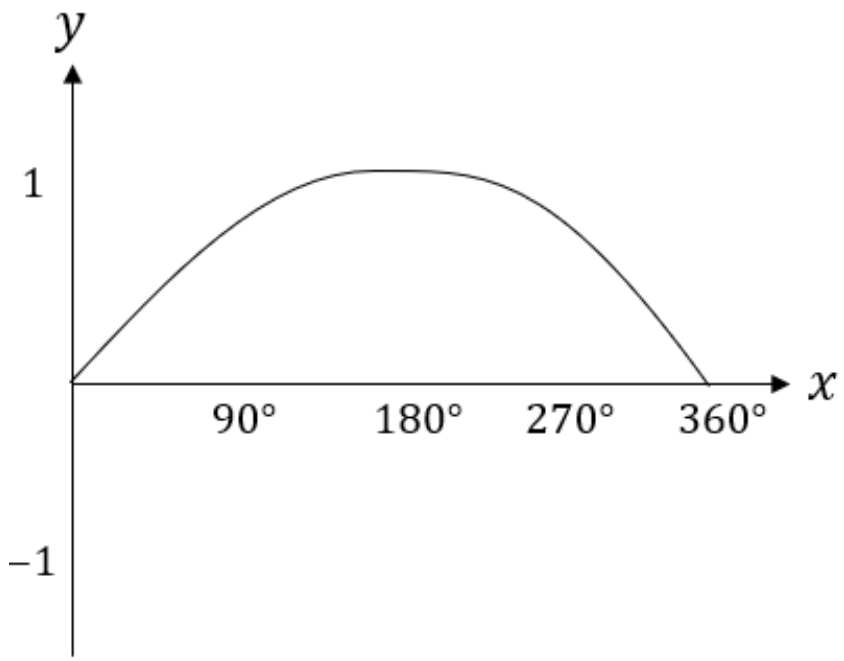
Your turn

Sketch $y = -\tan x, 0 \leq x \leq 360°$



Worked example

Sketch $y = \cos(2x), 0 \leq x \leq 360°$

Your turn

Sketch $y = \sin\left(\frac{x}{2}\right), 0 \leq x \leq 360°$