

5.1) Radian measure

Worked example

Convert to radians:

$$180^\circ$$

$$90^\circ$$

$$60^\circ$$

$$135^\circ$$

$$720^\circ$$

Your turn

Convert to radians:

$$360^\circ$$

$$2\pi$$

$$45^\circ$$

$$\frac{\pi}{4}$$

$$120^\circ$$

$$\frac{\pi}{3}$$

$$315^\circ$$

$$\frac{7\pi}{4}$$

$$72^\circ$$

$$\frac{2\pi}{5}$$

Worked example

Convert to degrees:

$$3\pi$$

$$\frac{\pi}{2}$$

$$\frac{\pi}{6}$$

$$\frac{5\pi}{4}$$

$$\frac{3\pi}{5}$$

Your turn

Convert to degrees:

$$5\pi$$

$$90^\circ$$

$$\frac{\pi}{3}$$

$$60^\circ$$

$$\frac{5\pi}{6}$$

$$150^\circ$$

$$\frac{9\pi}{4}$$

$$405^\circ$$

$$\frac{4\pi}{5}$$

$$144^\circ$$

Worked example

Sketch the graph for $0 \leq x \leq 2\pi$ of:
 $y = \sin x$

$$y = \tan x$$

Your turn

Sketch the graph for $0 \leq x \leq 2\pi$ of:
 $y = \cos x$

