

## 10.2) Exact values of trigonometrical ratios

## Worked example

Without a calculator, work out the value of:

- $\tan(315^\circ)$
- $\tan(-120^\circ)$
- $\sin(330^\circ)$
- $\cos(240^\circ)$
- $\sin(-135^\circ)$
- $\cos(675^\circ)$
- $\cos(150^\circ)$

## Your turn

Without a calculator, work out the value of:

- $\tan(225^\circ)$   $1$
- $\tan(210^\circ)$   $\frac{1}{\sqrt{3}}$
- $\sin(150^\circ)$   $\frac{1}{2}$
- $\cos(300^\circ)$   $\frac{1}{2}$
- $\sin(-45^\circ)$   $-\frac{1}{\sqrt{2}}$
- $\cos(750^\circ)$   $\frac{\sqrt{3}}{2}$
- $\cos(120^\circ)$   $-\frac{1}{2}$