Sin, cos, tan of angles in radians

Reminder of laws from Year 1:

- $\sin(x) = \sin(180 x)$
- $\bullet \quad \cos(x) = \cos(360 x)$
- sin, cos repeat every 360° but tan every 180°

In terms of radians:

- sin(x) =
- cos(x) =
- sin, cos repeat every _____ but tan every _____.

To find sin/cos/tan of a 'common' angle in radians without using a calculator, it is easiest to just convert to degrees first.

Examples

1.
$$\cos\left(\frac{4\pi}{3}\right) =$$

$2. \sin\left(-\frac{7\pi}{6}\right) =$

"Use of Technology":

To find $\cos\left(\frac{4\pi}{3}\right)$ directly using your calculator, you need to switch to radians mode. Press $SHIFT \to SETUP$, then $ANGLE\ UNIT$, then Radians. An R will appear at the top of your screen, instead of D.