

(C2-6.1a) Name:

Homework Questions 1 – Conversion between radians and degrees

1. Change the following angles from degrees into radians. Leave your answers as fractions or multiples of π

a) 135°

$\frac{3\pi}{4}$

b) 315°

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

c) 27°

$\frac{3\pi}{20}$

2. Change the following angles from radians into degrees

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

225°

b) $\frac{3\pi}{8}$

67.5°

c) 3π

540°

3. Convert the following angles from degrees into radians. Give your answer correct to 3 sf

a) 84°

1.47

b) 72°

1.26

c) 405°

7.07

4. Convert the following angles from radians into degrees

a) 3.9 rads

223.45°

b) 1.6 rads

91.67°

c) 5.32 rads

304.81°