

RELATIONSHIPS HOMEWORK 9

Non calculator:

Write the following in order of size starting with the smallest.

$$\cos 90^\circ \quad \cos 100^\circ \quad \cos 300^\circ$$

Justify your answer.

2

Calculator

Solve the equation $2 \tan x^\circ + 5 = -4$, for $0 \leq x \leq 360$.

3

Challenge Question (Calculator)

Simplify

$$\tan^2 x^\circ \cos^2 x^\circ .$$

Show your working.

2