



Core Mathematics C12(GCE)

Practice Question 18

Standard A[★]

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**CRITICAL THINKING IS THE KEY TO SOLVE REAL WORLD PROBLEMS.
CHILDREN MUST BE TAUGHT HOW TO THINK, NOT WHAT TO THINK.
A GREAT TEACHER WILL BE CREATING STUDENTS TO DO NEW THINGS
THROUGH CRITICAL THINKING, NOT SIMPLY REPEATING WHAT OTHER
GENERATIONS HAVE DONE BEFORE. WE DO NOT NEED ANOTHER
ALBERT EINSTEIN OR ISAAC NEWTON.... WE NEED A PERSON BETTER
THAN THEM.**

MR.S.V. SWARNARAJA

Trigonometry

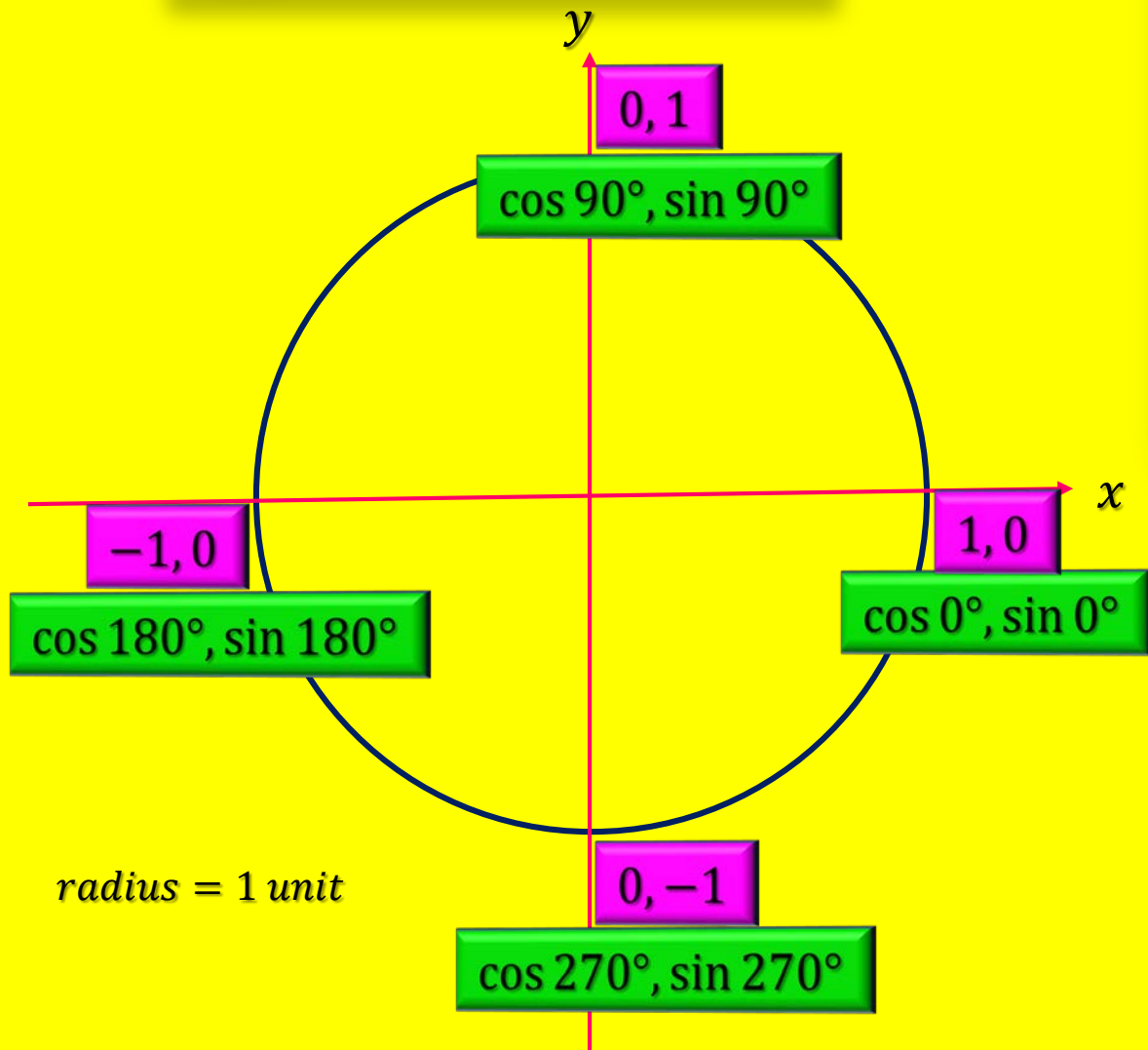
Question:

Solve the equation,

$$\sin x + \cos x = 1, \quad 0^\circ \leq x \leq 300^\circ$$

(4 marks)

Golden Rules



$$\cos 0^\circ = 1$$

$$\sin 0^\circ = 0$$

$$\cos 90^\circ = 0$$

$$\sin 90^\circ = 1$$

$$\cos 180^\circ = -1$$

$$\sin 180^\circ = 0$$

$$\cos 270^\circ = 0$$

$$\sin 270^\circ = -1$$

Alphabetical order **C**os then **S**in
Alphabetical order **x** then **y**

Traditional or Online classes

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