

## Model Answer - Quiz # 1 (CE 474) 18-19-1

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### Photogrammetry (CE 474)

Name:	Academic Number:
Level: 9	Time allowed: 20 min

### Quiz #1

[ULO#1/CLO#1/a-kpi#4] (5 marks)

1- Convert the following angles:

a)  $64.35^\circ$  to RAD

$$360^\circ \qquad 2\pi$$

$$64.35^\circ \qquad X$$

$$X = (64.35 * 2\pi) / 360 \qquad X = 1.12 \text{ Rad}$$

b) 1.58 Rad to DEG

$$360^\circ \qquad 2\pi$$

$$Y \qquad 1.58$$

$$Y = (360 * 1.58) / 2\pi \qquad Y = 90.52^\circ = 90^\circ 31' 38.39''$$

c)  $112.3288^g$  to DEG

$$360^\circ \qquad 400^g$$

$$Z \qquad 112.3288^g$$

$$Z = (360 * 112.3288^g) / 400 \qquad Z = 101.0959 = 101^\circ 05' 45.31''$$

2- If the area of a farm is determined as 156000 square meter. Compute its area in Fadden and Hectare.

$$X = 37.1355 \text{ fad}$$

$$Y = 15.6 \text{ hect.}$$