

التاريخ 21/12/2017

Quiz B

الموضوع: 21

Q1: $(37.26)_{10} = (?)_9$

41.2305

37	1
4	4
0	

$$0.26 \times 9 = 2.34 \quad 2$$

$$0.34 \times 9 = 3.06 \quad 3$$

$$0.06 \times 9 = 0.54 \quad 0$$

$$0.54 \times 9 = 5.16 \quad 5$$

Q2: $(245.33)_6 - (253.41)_6 = (?)_6$

using 5's Comp.

555.55

253.41

302.14

245.33

302.14 +

551.51

no end carry

555.55

551.51

-004.04

الموضوع: A Quiz التاريخ: 2017/12/20

Q1: $25.14 + 33.51 = 61.65$
find the base number system,

soln

$$2r + 5 + 3r + 3 = 6r + 1$$

$$5r + 8 = 6r + 1$$

$$\boxed{r = 7}$$

Q2: $(285.714)_9 = (133.511)_9 = (?)_9$
using 8's complement

888.888

133.511 -

755.377 8's Comp.

1 1 1 1 1

285.714

755.377 +

152.202 +

152.203