$$2 - TC$$
a) $(75)_{10} = 75/2, Q = 37, R = 1$

$$37/2, Q = 18, R = 1$$

$$18/2, Q = 9, R = 0$$

$$9/2, Q = 4, R = 0$$

$$1/2, Q = 2, R = 0$$

$$1/2, Q = 0, R = 1$$
b) $(42)_{10} = 42/8, Q = 5, R = 2?$

$$5/8, Q = 0, R = 5 = 5 = 52/8$$
c) $(501)_{10} = 50.1/16, Q = 31, R = 5?$

$$1/16, Q = 0, R = 1$$
d) $(123)_{10} = \frac{123}{9}, Q = \frac{13}{9}, R = 6?$

$$1/9, Q = 0, R = 1$$

$$1/9, Q = 0, R = 1$$

$$1/2, Q = 5, R = 1$$

$$5/2, Q = 1, R = 0$$

$$1/2, Q = 0, R = 1$$

$$1/2, Q = 0, R$$

$$f(356,82)_{6} = 356/8, Q = 44, R = 47$$

$$44/8, Q = 5, R = 47$$

$$5/8, Q = 0, R = 57$$

$$0, 56 \times 8 = 4, 48$$

$$0, 48 \times 8 = 3, 847 - 64365$$

$$0, 84 \times 8 = 6, 72$$

$$0, 72 \times 8 = 6, 72$$

$$0, 72 \times 8 = 5, 76$$

$$= (544,64365)_{8}$$

$$9)(75,957)_{10} = 75/16, Q = 4, R = 11, 2411$$

$$4/16, Q = 0, R = 47$$

$$0, 937 \times 16 = 14, 992$$

$$0, 992 \times 16 = 15, 872$$

$$0, 872 \times 16 = 13, 952 \times 141513153 - (411, 141513153)_{16}$$

$$0, 952 \times 16 = 15, 232$$

$$0, 232 \times 16 = 3, 712$$

h) (213) 4 =
$$3 \times 4^{\circ} + 1 \times 4^{1} + 2 \times 4^{2} = 3 + 4 + 32 = (39) 10$$

(39) 10 = $39/9$, Q = 4, R = 3 ? (43) 9

4/9, Q = 0, R = 4 ?

1) (43,12) = $4 \times 5^{1} + 3 \times 5^{\circ} + 1 \times 5^{1} + 2 \times 5^{2} = 20 + 3 + 0, 2 + 0, 0 = (23,28) 10$

(23,28) 10 = $23/6$, Q = 3, R = 5] 35

3/6 Q = 0, R = 3 }

0,28 \times 6 = 1, 6 \times 0

0,68 \times 6 = 4,08

0,68 \times 6 = 4,08

0,88 \times 6 = 2,88

0,88 \times 6 = 5,28

3) (37C) 16 = 3 = 7

C

111 010 101 = 7 (111010101) 2

R) (1001110) 2 = 1 001 110

1 1 6 = (116) Q (11111100)

m) (1010111) = 0101 0111 7 => (57)16 m)(101,1101) = 101, 110 100 6 4 => (5,64)8 e)(20) = 0010 0000 000 100 000 => (940) = (40)8 P) (462,39) 16 =4 6 2, 3 0100 0110 0010, 0011 1001 010 001 100 010, 001 110 010 2, 1 6 2 => (2142,162)8

tilibra

