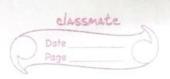


	Name: Arsa Saxona
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	Assignment number: 1
91.	Convert system.
(.	$(EB4A)_{16} = (?)_{10}$
	= (EB4A) ₁₆
	= (1110 1011 0100 1010);
	= 1 x 15
	$= 1 \times 2^{15} + 1 \times 2^{14} + 1 \times 2^{13} + 0 \times 2^{12} +$
	1×2" + 0×210 + 1×29 + 1×28 +
	$0 \times 2^{7} + 1 \times 2^{6} + 0 \times 2^{5} + 0 \times 2^{4} +$
	1×23+0×2+1×2+0×2°
	$= 2^{13} + 2^{14} + 2^{13} + 0 + 2^{11} + 2^{10} +$
	29+28+0+25+0+0+
	23 + 0 + 2 + 0
	= 33 168
	$= 2^{15} + 2^{14} + 2^{13} + 2^{11} + 2^{10} +$
- 1	29+ 28+26+23+2
	= 32768 + 16384 + 8192+
	2048 + 512 + 256 + 64+
	8 + 2
	= 49152 + 10240 + 768 + 74
	= 59392 + 842
	= (60234)10

	Date
	$(84)_{10} = (?)_2$
	2 8 4 2 4 2 0 2 3 1 0 2 10 1 2 5 0 2 2 1
	$(84)_{10} = (1010100)_2$
3.	$(B2E)^{16} = (5)^{8}$
	$= (B2F)_{16}$ $= (1011 0010 1111)_{2}$ $= (5457)_{2}$
4.	$(5 cd)^{16} = (5)^5$
	$= (2(9)_{16}$ $= (1011001001)_{2}$
5.	(101010)2=(3)16
	$= (101010)_{2}$ $= (00101010)_{2}$ $= (2A)_{16}$

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- 6.	(3674)8 = (?)16
	$= (3674)_{8}$ $= (011110111100)_{2}$ $= (780)_{16}$
7.	(1100101) = (3)8
	$= (1100101)_{2}$ $= (001100101)_{2}$ $= (145)_{8}$
11	



Q 2.	Convert form.
	22
	B. inoun: (000 10110) => (10110).
	Birary: (000 (0110)2=) (10110)2
	21/2: 00010110
2 .	-12
	Binary: (00001100)2 => (1100)2
	Binary: (00001100)2 => (1100)2
	2 %: 11110100
3.	6 4
	Binary: (01000000), =) (1000000),
	12 2: 01000000
	21/2: 01000000
4.	-63
	Birary: (00111111)2 => (111111)2
	13: 11000000
	2 95: 11000001
5.	255
	Binary: (1111111)2
	194: 1111111 ; 295: 1111111