ignore

Hence A-B= (000001)2

b) Ax-B

ans: A=001010 B=000111

Sm-ltiplicand Sm-ltiplia

				<u>.</u>
Lteration	step	Multipliano	Multiplicand(A)	product(P)
0	Initial value	000	000000 001010	0000000
1	P=P+A Shiff left A Shift right B	000111	000000 01000	000000 001010
2	P=P+ A SLA/SRB	000001	000000 0 000	00000 011110
3	P=P+A SLA/SRB	090000	00000 010000	000001 000 110
4	SL4/SRB	000000	60000 100000	000001 000110
ς	SLA/SRB	000000	000000 101 000	The Mariana
6	SLA/SRB	000000	001010 000000	1

SO AXB= 00000100010

Take 2's complement:

Ax-B= (111110111010)

()-A/B

13:000111 ans: A= oololo Ly Dividor (B)

GROMainly (R)

Iteration	slep	Quotient(Q)	Divisor (B)	Remainder IR	,
0	initial valus	00000 O	000111 00000	000000 001010	•
1	R=R-B Restore R Shift letta,0 Shift right B	000000	00011 00000	01000 000000	11100 001010 1 11100 1000000
2	R=R-B resta e sRB,0,sla	900000	000001 10000	00000000000	111100 10000
3	R=12-B 45tox2 6RB,0,5R9	00090 0	000000 11 000	00000 0000	00000 00000
4	R=R-B x-estore SRB,0,542	000000	000000 011000	000000 00000	010010 111111
5	R=R-B 1251014 5RB0,588	00000	000000 001100	000000 00000	01000 000000
6	R=R-B restore (srb,0,582	000000	000000 000	000000 00000	001011 111111
7	R=R-B SRB,1, SRR	000001	00000000	(10000 00000)	000000 001010
		i ,			
			,	L	. •

A/B = 000001 remainda: 000000 00011

-A/B = (11111 remainder: 111111 1110)

$$A = \frac{1}{2} \frac{1}{2} \frac{1}{1} \frac{1}{1}$$

ans:

5	e	(
0	10000001	000 00000000000000000000000000000000000