Bordam Eeema-Biamca
2C.2.1.

$X = -117 \Rightarrow X_{c_2} = 1\ 000\ 1011$

$Y = -99 \Rightarrow Y_{c_2} = 1\ 001\ 1101$

$-Y = 0\ 110\ 0011$

(1000 0000)
$-128 + 11\ (8+2+1)$

$-128 + 29$

$16 + 8 + 4 + 1$

CNT	A	Q	Q[-1]	M
000	0000 0000 +0110 0011 —————— 0110 0011 ↓↓ 0011 0001	1000 1011 1100 0101	0 -Y 1	1001 1101
001	0001 1000	1110 0010	1 +Y	
010	+1001 1101 —————— 1011 0101 ↓ 1101 1010	 1111 0001	 -Y 0	
011	+0110 0011 —————— 0011 1101 ↓ 0001 1110	 1111 1000	+Y 1	
100	+1001 1101 —————— 1011 1011 +↓ 1101 1101	 1111 1100	 0	
101	1110 1110	1111 1110	0	
110	1111 0111	0111 1111	0 -Y	

$$\begin{array}{c|l} 111 & +0110\ 0011 \\ \hline & 0101\ 1010 \\ & \downarrow \\ & 0010\ 1101 \quad 0011\ 1111 \end{array}$$

$$P = 0010\ 1101\ 0011\ 1111 = 2^{13} + 2^{11} + 2^{10} + 2^{8} + 2^{5} + 2^{4} + 15$$

(bit positions: 13 12 11 10 9 8 7 6 5 4 3 2 1 0)

$$P = (-99) \cdot (-117) = 11583 \checkmark$$

$$= 2^{10}(8 + 2 + 1) + 256 + 32 + 16 + 15$$

$$= 1024 \cdot 11 + 319 = 11264 + 319$$

$$= 11583 \checkmark$$