5. $9_{10} \cdot 3_{10} = (b'01001_{U5Q0})(b'00011_{U5Q0})$

$b'27 \rightarrow 011011$

$$\begin{array}{r} b'\ 1001 \\ \cdot\ b'\ 0011 \\ \hline \dots 0001001 \\ + \dots 0010010 \\ \hline \dots 000011011 \end{array}$$

U5Q0 $\rightarrow 2^0 + 2^1 + 2^3 + 2^4 = d'27$

6. $(-5)_{10} \cdot (-6)_{16} =$

$5_{10} = b'0101_{I4Q0}$ $\quad (-5)_{10} = b'1011_{I4Q0}$

$6_{16} = b'000110$ $\quad (-6)_{16} = b'111010_{I6Q0}$

$(-5_{10}) = b'111011_{I6Q0}$

$$\begin{array}{r} b'111011 \\ *\ b'111010 \\ \hline \end{array}$$

$\dots 011110$ I6Q0 $\rightarrow 2^1 + 2^2 + 2^3 + 2^4 = d'30$