

$$6. -5_{10} \cdot -6_{10}$$

$$\begin{array}{r} 0101 + 1 = 1011 \\ 0110 + 1 = 1010 \end{array}$$

$$\times \begin{array}{r} 0000 \\ 0000 \end{array}$$

$$10110$$

$$\begin{array}{r} 000000 \\ 0110000 \end{array}$$

$$1011100 =$$

$$\boxed{30_{10}}$$

$$7. 9_{10} \cdot 2.625_{10}$$

$$1001.10004_{10}$$

$$0.0000111$$

$$\times 0010.10104_{10}$$

$$1.001100$$

$$0.0001000$$

$$0.000000$$

$$100.1100$$

$$00000000$$

$$1001100$$

$$11000.111000506 = \boxed{24.9375_{10}}$$

$$8. -1.25_{10} \cdot 3.5_{10}$$

$$01.012_{10} + 1 = 1.0112_{10}$$

$$10011$$

$$\times 01110$$

$$110100001016_{10}$$

$$1100000$$

$$0010111110$$

$$1110011$$

$$1110011$$

$$01101000010$$