

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

$$= 1101_{I_4Q_1} \cdot 1110_{I_4Q_1}$$

$$= 1011.101_{I_4Q_3}$$

$$= \boxed{-4.375}$$

$$1110.1100$$

$$\times \quad 0011.1000$$

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$$11111011$$

$$1111011$$

$$111011$$

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$$\therefore 11011101$$