

$$6 - A2B_{16} = A \times 16^2 + 2 \times 16^1 + B \times 16^0$$

$$A = 10$$

$$B = 11$$

$$A2B = 2560 + 32 + 11$$

$$= \underline{\underline{2603_{10}}}$$

$$7 - 10011_2 = 1 \times 2^4 + 0 \times 2^3 + 0 \times 2^2 + 1 \times 2^1 + 1 \times 2^0$$

$$16 + 0 + 0 + 2 + 1$$

$$= \underline{\underline{19_{10}}}$$

$$8 - 604_8 = 6 \times 8^2 + 0 \times 8^1 + 4 \times 8^0$$

$$384 + 0 + 4$$

$$= \underline{\underline{388_{10}}}$$

$$9 - 3E7_{16} = 3 \times 16^2 + E \times 16^1 + 7 \times 16^0$$

$$768 + 224 + 7$$

$$= \underline{\underline{999_{10}}}$$

$$10 - 109 \begin{array}{l} \underline{2} \\ 1 \ 54 \end{array} \begin{array}{l} \underline{2} \\ 0 \ 27 \end{array} \begin{array}{l} \underline{2} \\ 1 \ 13 \end{array} \begin{array}{l} \underline{2} \\ 1 \ 6 \end{array} \begin{array}{l} \underline{2} \\ 0 \ 3 \end{array} \begin{array}{l} \underline{2} \\ 1 \ 1 \end{array} \begin{array}{l} \underline{2} \\ 1 \ 0 \end{array}$$

$$109_{10} = 1101101_2$$