## Lesson 9

A9.1) Perform addition of $A=\frac{5}{8}$ and $B=\frac{-4}{8}$ using the following number representation

- $2^{\prime} s$ complement
- 1's complement
- Sign magnitude

A9.2) Perform multiplication of $A=\frac{-6}{8}$ by 5 using the following number representation

- $2^{\prime} s$ complement
- 1 's complement
- Sign magnitude

A9.3) Perform addition of two (a) 16-bit (b) 15-bit number using carry-select adders and minimum delay. Assume $t_{m u x}=2 n s$ and $t_{F A}=2 n s$.

A9.4) Convert $a=(1.11011)_{2}$ to canonic signed digit (CSD) number representation

