NAME: ___________ Quiz B May 3, 2015

1) Realize the following function using minimum-size CMOS structure, the compute the size of each transistor given $W = \frac{5Mm}{2Mm}$. Use the last number of transistors.

\[ Y = A(B+C)D + F \]
Problem 27: Design an 8-bit Enhanced Pageable ROM Structure that stores the following decimal numbers: 1, 5, 9, 13, 14, 15.
NAME: [Blank]

Quiz B May 3, 2015

1) Realize the following function using minimum-size CMOS structure, the compute the size of each transistor given $\frac{W}{L} = \frac{5 \text{mum}}{2 \text{mum}}$. Use the last number of transistors.

$$V = A(k+c)d + F$$
Design a 5-bit Enhanced BCD decoder. No structure ROM that stores the following decimal numbers:
1, 5, 9, 13, 14, 15