Homework Assignment No. 6

Due on Wednesday, February 25, 2004

1.) Problem P5.10 of the text.
   
   [Answers: $W_p = 63\lambda$, $W_n = 27\lambda$]

2.) Problem P5.11 of the text.

   [Answers: (a.) $66\mu W$, (b.) $4.4\mu W$]

3.) Problem P5.12 of the text.

   [Answers: $P_{stat}$ (pseudo-NMOS) = $15.4\mu W$, $P_{stat}$ (CMOS)=0, express $P_{dyn}$ as a function of $f_{avg}$]

4.) Problem P5.16 of the text.

   [Answers: $W = 1\mu m$]