HW 2:

A. Donaldson: ch. 2, number 3.

B. Donaldson, Chapter 4: numbers 1, 4, 6.

of A and B, ch 2, no. 3 and ch 4, no. 4 would be esp helpful for you to do.

C. Find a basis for the holo differentials on the Fermat surface $X^5 + Y^5 = Z^5$.

You may want to consult sections 4.2 and 5 of the paper by Itzykson et al, available through the library, to get started. You can aim for the library ref through MathSci Net.

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