Set 5 - Homework

Name:

(1) How many elements does D_4 have? Justify your answer.

(2) Compute $\sigma^{-2}\tau$ and $\sigma^{-1}\tau\sigma$, where σ and τ are as in the worksheet.

(3)	For the	each stabil	of the	four Any	colored conject	d figures, tures?	how	many	shapes	s are in	the	D_n -orbit?	How n	nany	element	s are in