	Problem Set
1.	Give structures of alkenes that would give the formation
	Give structures of alkenes that would give the following products upon 02 ono bysis - neduction.
	a) CH3 = (CH2) = -CH2 CH3 b) (CH3 CH2 CM2 CM2 CM2 CM2 CM2 CM2 CM2 CM2 CM2 CM
	c) F1-1- nBu and Ch3Ch2CHO
2.	you accomplish the following converse ons?
	to meso-3,4-
	$\frac{1}{2}$
	A = A + A + A + A + A + A + A + A + A +
	d) trans-3-minutes
3	Delich the major products of the person
	a) cyclohenene + CHd3, 50%. NaoH/H2O
	TOH .
	b) $+ CH_2I_2$ , $2n(ai)$
4.	When Cyclohexene is treated with bromine in saturated aqueous
	Man - x- Wan - x-
	bromo - 2 - chlorocyclohexane results. Propose
	1 Turn Droduces.
	moduct (s) for each reaction. Include stereochemistry
5.	Predict the major product (s) for each reaction. Include stereochemistry where appropriate
	a) 1- methyl cyclopentene + cl2/H2O b) 2-Me-2-butene + bra/40
	c) ci;-2-butene + cl2/H2O
	.d) 1- Methyley clopentene + Box in saturated agreeous Nacl.
6.	Predict myjer Pdt. with appropriate steres chemistry.
	a) BH3.7HF b) Hcl
	2) H2 O2 OH ROOK
	(c) Kmnoy, OH d) (1) 03 (wed, Lil) 2) Me, 5
	( 100g, M1)