	e following equation $I_2$ / $H_2$ S	1: $8 H_2 + S_8> 8 H_2S$ , write the b) $H_2 / S_8$	ne following molar ratios: c) $H_2S / S_8$
3) Answer the following questions for this equation: $2 H_2 + O_2> 2 H_2O$ a) What is the $H_2$ / $H_2O$ molar ratio?			
b) S mak		moles of $ m H_2$ on hand and plent	by of $\mathrm{O}_2$ , how many moles of $\mathrm{H}_2\mathrm{O}$ could you
c) W	What is the ${ m O_2}$ / ${ m H_2O}$	molar ratio?	
d) S	uppose you had 20	moles of $O_2$ and enough $H_2$ , he	ow many moles of H <sub>2</sub> O could you make?
		> 2 NH <sub>3</sub> , for the following $\mu$ f N <sub>2</sub> , how many moles of NH <sub>3</sub>	
ь) н	f $10$ moles of NH $_3$ v	vere produced, how many mole	es of ${ m N_2}$ would be required?
c) If	$3.00$ moles of $ m H_2$ v	vere used, how many moles of	$\mathrm{NH}_3$ would be made?
d) If	f 0.600 moles of NF	$\mathbf{H}_3$ were produced, how many $\mathbf{n}$	noles of $ m H_2$ are required?