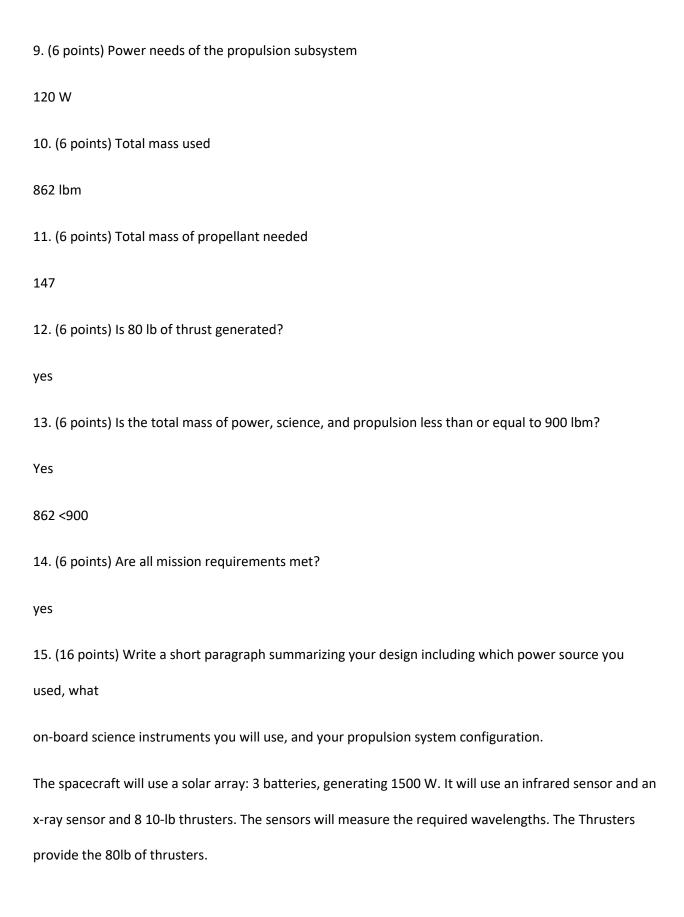
AE 2790: Homework #6		
Due Friday 3/15/2019		
1. (6 points) Total power needed		
1395 W		
2. (6 points) Power design needed		
1000 watts		
3. (6 points) Mass of power subsystem		
525 lbm		
4. (6 points) Science instrument(s) needed		
2 instruments are needed, the x-ray and the infrared.		
5. (6 points) Mass of science instrument(s)		
70 lbm		
6. (6 points) Power required for science instrument(s)		
175 W		
7. (6 points) Propulsion design needed		
80 lb of thrust		
8. (6 points) Mass of the propulsion subsystem		
267 lbm		



countries A S D	F G H	J K L
Jacoblem C	Mass	Power (W)
Solar array 3 bats	525	+ 1500 -1000
JA Jans	200	E01
It tens	30	-75
xoay	40	- 100
8x 1016+	120	-160
TOTAL	735	
Proppel T	147	
Total [8	362	(RE=165)
	V	