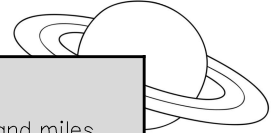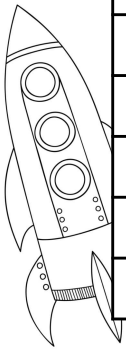Name _____

Date _____ Pd_____

ADDING AND SUBTRACTING WITH SCIENTIFIC NOTATION

The table shows distances between different planets in our solar system. Use the table to help you answer the questions that follow. Write all solutions in scientific notation.

FROM	TO	AVERAGE (MILES) *Rounded to nearest hundred thousand miles
Venus	Earth	2.6×10^7
Mercury	Venus	30,700,000
Earth	Jupiter	3.904×10^8
Earth	Mars	48,300,000
Earth	Saturn	7.938×10^8
Saturn	Jupiter	403,400,000
Jupiter	Mars	3.42×10^8

QUESTION	WORK	SOLUTION
1. How much farther is the Earth from Saturn than it is from Jupiter?		
2. Suppose you traveled from Saturn to Jupiter, and then from Jupiter to Mars. What would be the total distance?		
3. How much closer is Saturn to Jupiter than it is to Earth?		
4. Find the total distance from Mercury to Earth.		
5. Which is closer to Earth, Venus or Mars? How much closer is it?		