

Name: _____ Period: _____

Homework 4.2.19 (DUE 4.4.19 Beginning of Class)

ADDING AND SUBTRACTING WITH SCIENTIFIC NOTATION

DIRECTIONS: 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) |
|---------|---------|-----------------|
| Mercury | Venus | 30,700,000 |
| Venus | Earth | 26,000,000 |
| Earth | Mars | 48,300,000 |
| Earth | Jupiter | 390,400,000 |
| Earth | Saturn | 793,800,000 |
| Saturn | Jupiter | 403,400,000 |
| Jupiter | Mars | 342,000,000 |

1. How much farther is the Earth from Saturn than it is from Jupiter?

4. Find the total distance from Mercury to Earth.

2. Suppose you traveled from Saturn to Jupiter, and then from Jupiter to Mars. What would be the total distance?

5. Which is closer to Earth, Venus or Mars? How much closer it is?

3. How much closer is Saturn to Jupiter than it is to Earth?

6. How much farther is the Earth from Saturn than it is from Mars?