Name:_____

Date:_____

Multiplying and Dividing with Scientific Notation HW

1. $(3 \times 10^{-6})(3 \times 10^9)$

2. $\frac{6.8 \times 10^9}{2 \times 10^5}$

3. $4.5 \times 10^7 + 41,000,000$

4. $8.4 \times 10^7 - 3.1 \times 10^7$

5. $(2.4 \times 10^4)(3,000)$

6. $\frac{5.4 \times 10^8}{3,000}$

13. How many times bigger is the distance from Earth to the sun of 9.3×10^6 miles than the furthest distance from Earth to the moon of 3×10^5 miles?

14. The temperature halfway to the Sun from Mercury is approximately $1,800° C$ and scientists theorize that it may be up to 26,000 times hotter at the center of the Sun. Approximately how hot is it at the center of the Sun?

15. Each shrimp weighs approximately $0.000\ 27\ g$ and a shrimp company can bring in over 3,100,000,000 shrimp per year. Approximately how much would that many shrimp weigh?

16. The Earth has a mass of about 1×10^{25} kg. Neptune has a mass of 1.8×10^{27} kg. How many times bigger is Neptune than Earth?