Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**THIS HOMEWORK IS DUE BY: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Weekly Homework 9 Mrs. Zunich

1. Convert the following values from standard form to scientific notation.



a) 6,730,000 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

b) 0.000067 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Convert the following values from scientific notation to standard form.



1. $3.14 × 10^{-7}$= \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. $6.809 ×10^{5}$= \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. Identify the legs, a and b, and the hypotenuse, c, of the right triangles below.

 13 feet

A=\_\_\_\_\_\_\_\_

B=\_\_\_\_\_\_\_\_

C=\_\_\_\_\_\_\_\_\_

 5 feet

 12 feet

 

A=\_\_\_\_\_\_\_\_

B=\_\_\_\_\_\_\_\_

C=\_\_\_\_\_\_\_\_\_

1. Find the missing side of the right triangle. Make sure to use the Pythagorean Theorem.$a^{2}+b^{2}=c^{2}$
2.  b) 
3. Determine if each triangle is a right triangle**.**

|  |  |
| --- | --- |
| 1.

a=\_\_\_\_\_\_\_\_b=\_\_\_\_\_\_\_\_c=\_\_\_\_\_\_\_\_\_ | 1.

a=\_\_\_\_\_\_\_\_b=\_\_\_\_\_\_\_\_c=\_\_\_\_\_\_\_\_\_ |

|  |  |  |
| --- | --- | --- |
|  |   |  |

1. REFLECTION: Circle the picture that best describes how YOU feel about changing multiplying values in scientific notation.

