

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



# Significant Figures I

**Directions:** Write the rules for recognizing significant figures.

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_

**Directions:** Determine the number of significant figures in each of the following.

\_\_\_\_\_ 200.0      \_\_\_\_\_ 200      \_\_\_\_\_ 2.000      \_\_\_\_\_ 200.

\_\_\_\_\_ 7.12      \_\_\_\_\_ 1175      \_\_\_\_\_ 25.6003      \_\_\_\_\_  $5.0 \times 10^{-3}$

\_\_\_\_\_ 987.003      \_\_\_\_\_ 4.004      \_\_\_\_\_ 5000      \_\_\_\_\_ .003

\_\_\_\_\_ .00900      \_\_\_\_\_ 30,001      \_\_\_\_\_ 30.45      \_\_\_\_\_ 60.0

\_\_\_\_\_ 80      \_\_\_\_\_ 4050      \_\_\_\_\_ 2.5400      \_\_\_\_\_ 1,000,000

\_\_\_\_\_ 5003      \_\_\_\_\_ 17.00      \_\_\_\_\_  $330 \times 10^5$       \_\_\_\_\_ .06001

\_\_\_\_\_ 45.45      \_\_\_\_\_ .00037      \_\_\_\_\_ 61      \_\_\_\_\_ 0.30500

**What** did having a common measuring system do for modern science?

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***"When you have a number of disagreeable duties to perform,  
always do the most disagreeable first."***

***- Josiah Quincy***