Measurement Lab Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Procedure:

1. Measure the length of the line below to the NEAREST cm the line = \_\_\_\_\_\_\_\_\_\_ cm
2. Measure the length of the line below to the NEAREST mm the line = \_\_\_\_\_\_\_\_\_\_ mm

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| 1. Measure the rectangle below to find the area (bxh) 2. Measure the perfect cube below to find the volume (lxwxh) | Area = \_\_\_\_\_\_\_\_\_\_\_\_ cm2  Volume = \_\_\_\_\_\_\_\_\_\_\_\_\_cm3 |
| 1. What is the equation for density? |  |

1. If the perfect cube above has a mass of 200 g, use the volume you measured to find its density.
2. Grab your bag of five irregular shaped objects. Trace each object in the boxes below. Use the scale to find the mass of each object in grams (be sure to label). You will also be using the cylinder of water to find the volume of each object. Record the water level before the object and after the object has been added – subtract the amounts from each other to find the volume. Finally find the density for each object and label it below (include the units).

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|  |  | Mass = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Volume before = \_\_\_\_\_\_\_\_\_\_\_\_  Volume after = \_\_\_\_\_\_\_\_\_\_\_\_\_  Object volume = \_\_\_\_\_\_\_\_\_\_\_\_\_  Density = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
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|  |  | Mass = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Volume before = \_\_\_\_\_\_\_\_\_\_\_\_  Volume after = \_\_\_\_\_\_\_\_\_\_\_\_\_  Object volume = \_\_\_\_\_\_\_\_\_\_\_\_\_  Density = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
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|  |  | Mass = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Volume before = \_\_\_\_\_\_\_\_\_\_\_\_  Volume after = \_\_\_\_\_\_\_\_\_\_\_\_\_  Object volume = \_\_\_\_\_\_\_\_\_\_\_\_\_  Density = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
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|  |  | Mass = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Volume before = \_\_\_\_\_\_\_\_\_\_\_\_  Volume after = \_\_\_\_\_\_\_\_\_\_\_\_\_  Object volume = \_\_\_\_\_\_\_\_\_\_\_\_\_  Density = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
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|  |  | Mass = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Volume before = \_\_\_\_\_\_\_\_\_\_\_\_  Volume after = \_\_\_\_\_\_\_\_\_\_\_\_\_  Object volume = \_\_\_\_\_\_\_\_\_\_\_\_\_  Density = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |