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| PracticeEHS Cλ3MIs+rγ Mr. Genest |  | Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_visit http:genest.weebly.com |

For full credit, show your work.

1. Calculate the volume of a block that is 3.4cm x 1.5cm x 2.191cm. (Hint, some people are helped by drawing the shape first.)\*\*
2. Calculate the volume of a cube that is 3.096 on each edge.\*\*
3. What is the perimeter of a rectangle that is 4.628cm x 3.4cm?\*\*

Determine the number of significant figures in the following measurements.

1. 104.20 g\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. 1,700,000 km\_\_\_\_\_\_\_\_\_\_\_\_\_
3. 0.00020 kg\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. 842.0 cm\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. 640,002 m\_\_\_\_\_\_\_\_\_\_\_\_\_\_
6. 10,000 s\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
7. 190.60 g\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
8. 1.0004230 g\_\_\_\_\_\_\_\_\_\_\_\_\_
9. 0.004200 m\_\_\_\_\_\_\_\_\_\_\_\_\_
10. 7000.07 mm\_\_\_\_\_\_\_\_\_\_\_\_\_
11. 35,000 km\_\_\_\_\_\_\_\_\_\_\_\_\_

Round each of the following to 3 significant figures.

1. 1.2793 kg\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. 10625 kPa\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. 37486 m\_\_\_\_\_\_\_\_\_\_\_\_
4. 0.01245 s\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. 101.09 fs\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
6. 2453 g\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\*\* remember to use significant figures when rounding your answer

