Name: _____ Due Date: Jan 17, 2019

Significant figures:

Refer to the video: Significant Figures – Addition and Subtraction Rules – Example 1

1. 180 cm + 6.143 cm + 1.5067 cm = ? Answer: _____
   Answer has how many significant figures: ____

Refer to the video: Significant Figures – Addition and Subtraction Rules – Example 2

2. 130.98 mL – 40 mL = ? Answer: _____
   Answer has how many significant figures: ____

Refer to the video: Significant Figures – Addition and Subtraction Rules – Example 3

3. 2564 km + 200. km = ? Answer: _____
   Answer has how many significant figures: ____

Refer to the video: Significant Figures – Addition and Subtraction Rules – Example 4

4. 5.925 x 10^{-5} m + 9.85 x 10^{-7} m = ? Answer: _____
   Answer in scientific notation: _____
   Answer has how many significant figures: ____

Refer to the video: Significant Figures – Multiplication and Division Rules – Example 1

5. 30 cm x 0.00200 cm x 554.0 cm = ? Answer: _____
   Answer in scientific notation: _____
   Answer has how many significant figures: ___

Refer to the video: Significant Figures – Multiplication and Division Rules – Example 2

6. 0.0325 g / (0.9990 g/mL) = ? Answer: _____
   Answer has how many significant figures: ____

Refer to the video: Significant Figures – Multi-Step Calculations – Example 1

7. $5.627\ \text{cm} + \frac{(5.54 - 0.001)}{0.120}\ \text{cm}$ = ? Answer: _____
   Answer has how many significant figures: ___

Refer to the video: Significant Figures – Multi-Step Calculations – Example 2

8. $\frac{(31.9995 - 31.8790)}{31.8790} \times 100$ = ? Answer: _____%
   Answer has how many significant figures: ____