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Name: \_\_\_\_\_ HW: Scientific Notation (Day 2)

(1-6) Are the following numbers written in scientific notation? *If not, state why.*

1. Exercise 1

$1.908 \times 10^{17}$

Yes

2. Exercise 4

$4.0701 + 10^7$

No. Scientific notation uses multiplication not addition.

3. Exercise 2

$0.325 \times 10^{-2}$

No. 0.325 is less than 1.

4. Exercise 5

$18.432 \times 5^8$

No. 18.432 is greater than 10.

5. Exercise 3

$7.99 \times 10^{32}$

Yes.

6. Exercise 6

$8 \times 10^{-11}$

Yes.

(7-9) Write each number in standard form.

7.  $2.97 \times 10^4$

29,700

8.  $1.909 \times 10^7$

19,090,000

9.  $8.45 \times 10^{-3}$

0.00845