

Name: _____

Date: _____ Score: _____

Integer Exponent and Scientific Notation

Express each number in scientific notation.

| | |
|-------------------------------|-------------------------|
| 1) 0.29854 _____ | 2) 0.0005172 _____ |
| 3) 4,460,500,000,000 _____ | 4) 5,620,000 _____ |
| 5) 0.0000304 _____ | 6) 0.000009082 _____ |

Express each number in standard form.

| | |
|-----------------------------------|-------------------------------------|
| 7) 7.12×10^8 _____ | 8) 9.23×10^5 _____ |
| 9) 1.373×10^5 _____ | 10) 7.96×10^{-4} _____ |
| 11) 5.0413×10^4 _____ | 12) 7.979×10^{-6} _____ |

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Answers

| | |
|---|--|
| 1) 0.29854 <u>2.9854×10^{-1}</u> | 2) 0.0005172 <u>5.172×10^{-4}</u> |
| 3) 4,460,500,000,000 <u>4.4605×10^{12}</u> | 4) 5,620,000 <u>5.62×10^6</u> |
| 5) 0.0000304 <u>3.04×10^{-5}</u> | 6) 0.000009082 <u>9.082×10^{-6}</u> |
| 7) 7.12×10^8 <u>712,000,000</u> | 8) 9.23×10^5 <u>923,000</u> |
| 9) 1.373×10^5 <u>137,300</u> | 10) 7.96×10^{-4} <u>0.000796</u> |
| 11) 5.0413×10^4 <u>50,413</u> | 12) 7.979×10^{-6} <u>0.000007979</u> |