

Name(s) _____

Write the number in scientific notation.

1) 386,099

2) 160.5

3) 0.000317

4) 0.0000015717

Write the number in standard notation.

5) 8.0160×10^6

6) 9.292×10^{-5}

7) There are 2.434×10^6 miles of highways, roads, and streets in a certain country.

Evaluate the expression using exponential rules. Write the result in standard notation.

8) $(5.1 \times 10^3) \times (8.1 \times 10^{-4})$

9) $\frac{20 \times 10^6}{5 \times 10^4}$

10) $\frac{6 \times 10^{-3}}{12 \times 10^2}$

11) $(9 \times 10^{-3})(2 \times 10^{-2})$

Answer Key

Testname: 12.2B_WKS

- 1) 3.86099×10^5
- 2) 1.605×10^2
- 3) 3.17×10^{-4}
- 4) 1.5717×10^{-6}
- 5) 8,016,000
- 6) 0.00009292
- 7) 2,434,000
- 8) 4.131
- 9) 400
- 10) 0.000005
- 11) 0.00018