Scientific Notation

Name: _____ **Date:** _____

Convert each number from scientific notation to real.

(1) 1.195×10^{2}

(2) 8.236×10^{-1}

(3) 3.973×10^{2}

(4) 7.465×10^{2}

(5) 5.166×10^{-3}

(6) 5.294×10^{-3}

(7) 4.768×10^{3}

(8) 8.464×10^{-6}

(9) 8.437×10^{1}

(10) 5.156×10^{-4}

Convert each number from real to scientific notation.

(11) 984.3

(12) 8,571

(13) 0.0007559

(14) 212,400

(15) 31.25

(16) 5.572

(17) 0.03146

(18) 0.01683

(19) 0.000009621

(20) 0.009453

Scientific Notation Operations

Name: _____ **Date:** _____

Evaluate and express the result in scientific notation.

(1) $4.3 \times 10^{-4} \times 2.1 \times 10^{-6}$

(2) $3.564 \times 10^{15} \div 6.6 \times 10^{5}$

(3) $7.8 \times 10^{7} \times 7.8 \times 10^{4}$

(4) $2.79 \times 10^{-15} \div 6.2 \times 10^{-9}$

(5) $2.585 \times 10^{-6} \div 5.5 \times 10^{-1}$

(6) $5.4 \times 10^{5} \times 7.5 \times 10^{5}$

(7) $7.6 \times 10^{-4} \times 5.3 \times 10^{-7}$

(8) $3.869 \times 10^{1} \div 5.3 \times 10^{-7}$

(9) $5.94 \times 10^{-2} \div 2.7 \times 10^{-3}$

(10) $3.5 \times 10^{-8} \times 4.6 \times 10^{1}$