Scientific Notation

Name_____ **Date**_____

Convert each number from real to scientific notation.

(1) 71705

(2) 2467

(3) 26.217

(4) 83.18

(5) 3469.1

(6) 225700

(7) 370.48

(8) 24222

(9) 0.44171

(10) 48.656

Convert each number from scientific notation to real.

(11) $1.9256 * 10^{-4}$

(12) $2.8336 * 10^{-2}$

(13) $5.41 * 10^{2}$

(14) $9.5334 * 10^{3}$

(15) $8.299 * 10^{2}$

(16) $4.3788 * 10^{4}$

(17) $2.1408 * 10^{2}$

(18) $1.1142 * 10^{5}$

(19) $6.2826 * 10^{3}$

(20) $3.3517 * 10^{-4}$

Answers

Convert each number from real to scientific notation.

(1) 75705

$7.5705 * 10^{4}$

(2) 846.5

$8.465 * 10^{2}$

(3) 26.217

$2.6217 * 10^{1}$

(4) 83.18

$8.318 * 10^{1}$

(5) 3469.1

$3.4691 * 10^{3}$

(6) 225700

$2.257 * 10^{5}$

(7) 370.48

$3.7048 * 10^{2}$

(8) 24222

$2.4222 * 10^{4}$

(9) 0.44171

$4.4171 * 10^{-1}$

(10) 48.656

$4.8656 * 10^{1}$

Convert each number from scientific notation to real.

(11) $1.9256 * 10^{-4}$

0.00019256

(12) $2.8336 * 10^{-2}$

0.028336

(13) $5.41 * 10^{2}$

541

(14) $9.5334 * 10^{3}$

9533.4

(15) $8.299 * 10^{2}$

829.9

(16) $4.3788 * 10^{4}$

43788

(17) $2.1408 * 10^{2}$

214.08

(18) $1.1142 * 10^{5}$

111420

(19) $6.2826 * 10^{3}$

6282.6

(20) $3.3517 * 10^{-4}$

0.00033517