Wisconsin Mathematics

Essential Elements: High School: Number and Quantity

The Real Number System N-RN

A Extend the properties of exponents to rational exponents. M.N.RN.A

1 Determine the value of a quantity that is expressed with an exponent. M.EE.N.RN.1

2 Not applicable.

3 Not applicable.

Quantities N-Q

A Reason quantitatively and use units to solve problems. (M) M.N.Q.A

1 Express quantities as a precise measurement based on the context. M.EE.N.Q.1

2 Express quantities as a precise measurement based on the context. M.EE.N.Q.2

3 Express quantities as a precise measurement based on the context. M.EE.N.Q.3

The Complex Number System N.CN

A Perform arithmetic operations with complex numbers. M.N.CN.A

1 Not applicable.

2 Use properties (commutative, associative, and distributive) and place value understandings to calculate and solve problems. M.EE.N.CN.2

a Add, subtract, and multiply whole numbers. M.EE.N.CN.2.A

b Add, subtract, and multiply decimals. M.EE.N.CN.2.B

c Solve real-world problems involving addition, subtraction, and multiplication of whole numbers and decimals. M.EE.N.CN.2.C

3 Not applicable.

B Represent complex numbers and their operations on the complex plane. M.N.CN.B

1 Not applicable.

2 Not applicable.

3 Not applicable.

C Use complex numbers in polynomial identities and equations. M.N.CN.C

1 Not applicable.

2 Not applicable.

3 Not applicable.

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Vector and Matrix Quantities N.VM

A Represent and model with vector quantities. (M) M.N.VM.A

1 Not applicable.

2 Not applicable.

3 Not applicable.

B Perform operations on vectors. M.N.VM.B

4 Not applicable.

5 Not applicable.

C Perform operations on matrices and use matrices in applications. (M) M.N.VM.C

6 Not applicable.

7 Not applicable.

8 Not applicable.

9 Not applicable.

10 Not applicable.

11 Not applicable.

12 Not applicable.