Tests & Quizzes

Quiz 1.1

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Part 1 of 1 - Quiz 1.1 10.0 Points

Question 1 of 5

2.0 Points

Question:

Can the following statement be proved using ONLY the transitive property, the 12 axioms as given in Section 1.1 (A1-A4, M1-M4, D, O1-O3), definition of Subtraction and/or Division?

$$(a+b)-c=a+(b-c)$$

Note:

You do not have to make use of all of the given axioms etc. as listed in the question. Although the answer does not require your calculations, I suggest you write them out to be able to answer the question correctly – keep an eye on your time!

- ✔ ○ **A. No**
- ✔ ○ **B. Yes**

Answer Key: B

Question 2 of 5

2.0 Points

Question:

Can the following statement be proved using ONLY the transitive property, the 12 axioms as given in Section 1.1 (A1-A4, M1-M4, D, O1-O3), definition of Subtraction and/or Division?

$$a-(b-c)=(c+a)-b$$

Note:

You do not have to make use of all of the given axioms etc. as listed in the question. Although the answer does not require your calculations, I suggest you write them out to be able to answer the question correctly – keep an eye on your time!

- ✔ ◯ **A. Yes**
- ✔ ◯ **B. No**

Answer Key: A

Question 3 of 5

2.0 Points

Question:

Can the following statement be proved using ONLY the transitive property, the 12 axioms as given in Section 1.1 (A1-A4, M1-M4, D, O1-O3), definition of Subtraction and/or Division?

$$If\ a < b\ then\ -a > -b$$

Note:

You do not have to make use of all of the given axioms etc. as listed in the question. Although the answer does not require your calculations, I suggest you write them out to be able to answer the question correctly – keep an eye on your time!

- ✖ ◯ **A. No**
- ✔ ◯ **B. Yes**

Answer Key: B

Question 4 of 5

2.0 Points

Question:

Can the following statement be proved using ONLY the transitive property, the 12 axioms as given in Section 1.1 (A1-A4, M1-M4, D, O1-O3), definition of Subtraction and/or Division?

$$a - b(c - a) = a(b + 1) - bc$$

Note:

You do not have to make use of all of the given axioms etc. as listed in the question. Although the answer does not require your calculations, I suggest you write them out to be able to answer the question correctly – keep an eye on your time!

- ✔ ◯ **A. No**
- ✔ ◯ **B. Yes**

Answer Key: B

Question 5 of 5

2.0 Points

Question:

Can the following statement be proved using ONLY the transitive property, the 12 axioms as given in Section 1.1 (A1-A4, M1-M4, D, O1-O3), definition of Subtraction and/or Division?

$$a(b \div c) = (ba) \div c$$

Note:

You do not have to make use of all of the given axioms etc. as listed in the question. Although the answer does not require your calculations, I suggest you write them out to be able to answer the question correctly – keep an eye on your time!

- ✔ ◯ **A. No**
- ✔ ◯ **B. Yes**

Answer Key: B

- Gateway
- Mobile View
- The Sakai Project

- Powered by Sakai
-

Change Profile Picture

Error removing image
Error uploading image
Upload Choose File No file chosen

Save Cancel Connections ✖ Remove

Search for people ...
View More

My Connections | Pending Connections

You don't have any connnections yet. Search for people above to get started.
You have no pending connections.
←Back to My Connections
Search for people ...
$({cmLoader.getString("connection_manager_no_results")}

Done