Open Middle Interval Notation

Name:

Date:

  Using the digits 1-9 create two interval notations using the digits only once. The first interval notation must have the same domain as the second interval. You must use either/both Union or Intersection in your sets. You may also use infinity signs however if you use an infinity sign in the first notation you can not use an infinity sign in the second notation. **Remember the domains must be equal!**

Attempt A:

Digits Used: 1,2,3,4,5,6,7,8,9	Interval Notation 1: Domain of set 1:	Interval Notation 2: Domain of set 2:	Domain of the two sets?

Check to see if you have an answer:
 1) Do you only use the digits 1-9 once?
  a) Yes
   i) If yes go to 2
  b) No
   i) If no go to attempt 2
 2) Does the domain of the two sets match?
  a) Yes
   i) Go to attempt **B**
  b) No
   i) Go to attempt **B**
 3) What was your thought process in this attempt?

Open Middle Interval Notation

Name:

Date:

Using the digits 1-9 create two interval notations using the digits only once. The first interval notation must have the same domain as the second interval. You can use the union or intersection operators to help you. You may also use infinity signs however if you use an infinity sign in the first notation you can not use an infinity sign in the second notation. **Remember the domains must be equal!**

Attempt B:

Digits Used:	Interval Notation 1:	Interval Notation 2:	Domain of the sets?
1,2,3,4,5,6,7,8,9			

Check to see if you have an answer:
1) Do you only use the digits 1-9 once?
    a) Yes
        i)   If yes go to 2
    b) No
        i)   If no go to attempt 2
2) Does the domain of the two sets match?
    a) Yes
        i)   Go to attempt **C**
    b) No
        i)   Go to attempt **C**
3) What was your thought process in this attempt?

Open Middle Interval Notation

Name:

Date:

Using the digits 1-9 create two interval notations using the digits only once. The first interval notation must have the same domain as the second interval. You can use the union or intersection operators to help you. You may also use infinity signs however if you use an infinity sign in the first notation you can not use an infinity sign in the second notation. **Remember the domains must be equal!**

Attempt C:

Digits Used:	Interval Notation 1:	Interval Notation 2:	Domain of the sets?
1,2,3,4,5,6,7,8,9			

Check to see if you have an answer:
  1) Do you only use the digits 1-9 once?
       a) Yes
           i)   If yes go to 2
       b) No
           i)   If no go to attempt 2
  2) Does the domain of the two sets match?
       a) Yes
           i)   Go to attempt **D**
       b) No
           i)   Go to attempt **D**
  3) What was your thought process in this attempt?

Open Middle Interval Notation

Name:

Date:

Using the digits 1-9 create two interval notations using the digits only once. The first interval notation must have the same domain as the second interval. You can use the union or intersection operators to help you. You may also use infinity signs however if you use an infinity sign in the first notation you can not use an infinity sign in the second notation. **Remember the domains must be equal!**

Attempt D:

Digits Used: 1,2,3,4,5,6,7,8,9	Interval Notation 1:	Interval Notation 2:	Domain of the sets?

Check to see if you have an answer:
   1) Do you only use the digits 1-9 once?
        a) Yes
            i)   If yes go to 2
        b) No
            i)   If no go to attempt 2
   2) Does the domain of the two sets match?
        a) Yes
            i)   Turn in your paper
        b) No
            i)   Turn in your paper
   3) What was your thought process in this attempt?

Open Middle Interval Notation

Name:

Date: