

Name _____ Score _____ /7

Staple the pages in the upper left hand corner.**Write each definition the designated number of times.**A. An **equation** is a mathematical statement which contains an = symbol.

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____

B. An **identity** is an equation which is true for every real number in the domain of the variables.

1. _____
2. _____
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8. _____
9. _____
10. _____

C. A **conditional equation** is an equation which is true when some real numbers are substituted for the variables and is false when some real numbers are substituted for the variables.

1. _____

2. _____

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6. _____

7. _____

8. _____

9. _____

10

D. A **contradiction** is an equation that has no real number solution.

1. _____
2. _____
3. _____
4. _____
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6. _____
7. _____
8. _____
9. _____
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E. Give an example of an identity.

F. Give an example of a contradiction.

G. Give an example of a conditional equation.