

NAME: _____ Score _____/10

Please **print** your name

1. State the Law of Trichotomy

If a and b are real numbers then exactly one of the following is true:

- i. $a < b$
- ii. $a = b$
- iii. $a > b$

2. State the Distributive Law

If a , b , and c are real numbers, then $a(b + c) = ab + ac$.

3. State the Zero Factor Property

If a and b are real numbers and $ab = 0$, then $a = 0$ or $b = 0$.

4. State the Transitive Property of Equality

If a , b , and c are real numbers such that $a = b$ and $b = c$, then $a = c$.

5. State the definition of equivalent equations.

Two equations are equivalent if they have the same solution sets.