

Name: _____

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Kat needs a cat

“Any cat, as long as it’s black!

“Or, a female cat, neutered, either white or orange, or a male cat, neutered, any color but white.”

(Remember, 1/0, true/false only)

$$M \bullet N \bullet (W+O)$$

Some laws of Boolean algebra

Name	AND Form	OR Form
Identity law	$1 \bullet$	
	$A \bullet A = A$	$A+A = A$
Inverse law	$A \ A = 0$	

Build Kat's Cat Checker in Digital Works

Exercise: The Mystery of the ^A_A Logician's Lunch

A logician goes into a restaurant and says, "I want a hamburger or a hotdog and French fries."
Assume AND takes precedence over OR; the English

A