

Worksheet Exercise 2.1.B.

Name _____

Symbolizing Basic Sentences

Class _____ Date _____

Part B. Some symbolism practice. Each of the following expressions is intended to be a single, compound symbolic sentence, but some of them are incorrectly written. Figure out which of these is a well-formed sentence. Write "YES" or "NO." (Of course, don't worry about whether any of these are true or false.) There is also a space for you to make some optional comments. It may help here, if you try to read these in English, with the meanings:

A = Apples are red

C = Carrots are crunchy

M = Monkeys are funny

B = Bananas are yellow

K = Kangaroos are jumpy

P = Parrots are noisy

	Correct? YES/NO	Optional comment space
1. $A \& \sim M$	_____	_____
2. $\sim A \supset \sim C$	_____	_____
3. $K (\& \sim M)$	_____	_____
4. $\supset A, B$	_____	_____
5. $\sim P \& M$	_____	_____
6. $\sim A \& B$	_____	_____
7. $A \supset B C$	_____	_____
8. $K \vee (\sim M)$	_____	_____
9. $A \& B \vee C$	_____	_____
10. $(\sim A) \& B$	_____	_____
11. $A, B, \& C$	_____	_____
12. $\sim(A \& B)$	_____	_____
13. $(\sim A)(\& B)$	_____	_____
14. $(K \vee M) \vee \sim P$	_____	_____
15. $K \vee (M \vee \sim P)$	_____	_____
16. $M \& (\sim P \& \sim M) \vee P$	_____	_____
17. $(M \& \sim P) \& (\sim M \vee P)$	_____	_____
18. $\sim(\sim A) \& ((\sim B) \& (\sim C))$	_____	_____
19. $\sim(\sim(\sim M)) \& \sim\sim\sim P$	_____	_____
20. $\sim(B \vee \sim C) \supset (\sim B \& C)$	_____	_____