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## CS 440 Assignment Church — Rosser

Assuming  $\circ$  means  $\oplus$ .

- 1. Yes, locking one of the operations to multiplication has no effect on the outcome of the expression.
- 2. Yes. While locking one of the operations to subtractions would change the value without parenthesis, adding the parenthesis ensures evaluation to the same final value.
- 3. Yes. Order does not matter applying unification steps.