

**17-363/17-663: Programming Language Pragmatics, In-Class Exercises**    **October 27, 2022**

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1. Assume that we add `let`, addition, and integer constants to the language discussed today in class, as we did in prior lectures. Show the derivation of the following expression using the rules above:

$(x \Rightarrow y \Rightarrow x + y)(3)(4)$

2. Show the result of closure conversion on the following program:

$(\mathbf{let} \ y = 1 \ \mathbf{in} \ x \Rightarrow x + y)(2)$