Course in Semantics · Ling 531 / 731 McKenzie · University of Kansas

## Key

**1.** Distinguish a variable from a constant.

A variable's denotation changes with respect to the assignment, while the denotation of a constant is the same for all assignments (*i.e.*, no matter which assignment we use.)

2. Explain why we need to split the TN rule into LT and PR.

The TN rule says that an interpretable node's meaning is specified in the lexicon. So for *mayor*, the meaning of the word is fully supplied by its lexical entry. This cannot be the case for *her*, because the context must supply what's missing. So we need to split TN into a rule for the words like *mayor* (LT), and one for words like *her* (PR).

**3.** Given the following assignment, fill in the chart.

$$r = \begin{bmatrix} 2 & \rightarrow & Gene \\ 3 & \rightarrow & Barry \\ 163 & \rightarrow & Ellen \\ 75 & \rightarrow & Roberto \end{bmatrix}$$

denotation	value	extension
$[\![ x_2 ]\!]^r$	r(2)	Gene
[[ x <sub>163</sub> ]] <sup>r</sup>	r(163)	Ellen
[ y <sub>75</sub> ] <sup>r</sup>	r(75)	Robert
$[y_3]^r$	r(3)	Barry

**4.** Compose the following phrase structures. Assume assignment z.















