

## House and Holmes: A Guide to Deductive and Inductive Reasoning

### Student Handout 1: **Neighborhood Watch**

*There are five blocks of apartments in Forest Glen (shown in the map below), each identical, apart from being named after different varieties of trees. Each block requires that all of the houses be painted the same color, but no two blocks of houses are painted the same color. What is the name of each block, what color are the houses and how many people live there?*

1. Chestnut Street is not to the right of block B, which has the most people.
2. Walnut Street, whose houses are yellow, does not have forty-four people.
3. Block A has 44 people.
4. The red houses on Oak Street are directly next to the blue houses on Elm Street, which is identified by a letter later in the alphabet than that depicting Oak Street.
5. More people live on Oak Street than on Elm Street.
6. More people live in the block where there are blue houses than on Maple Street (which isn't D or E on the map below).
7. Chestnut Street (whose houses are not painted white) is next to the block with yellow houses and which is identified by a later letter of the alphabet than that depicting Chestnut Street.

Map: 

