## Your Name:

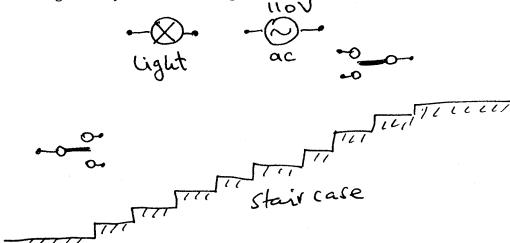
## Problem #1:

Write decimal number 38 in:

- (a.) binary:
- (b.) hexadecimal:
- (c.) octal:

## Problem #2:

Given are the light bulb, two double-throw switches and power source. Finish the wiring so that you can turn the light off and on at both end of the stairs:



## Problem #3:

When is the light ON in the circuit shown? Note when a=1 (closed) a=0 (open).

