1. We are defining a language that features the $&=$ statement, which returns the address of a variable on the right hand side and sets it as the value for the variable on the left hand side. Write the inference rule for

$$(\sigma, h, x \&= y)$$

2. The language we’re defining also features the $%e$ operator, which casts the integer expression $e$ to a boolean with value $true$ if $e$ is even and value $false$ if $e$ is odd. Write the inference rules for

$$(\sigma, h, %e)$$