For each of the following expressions, answer the following questions:

- Is the expression semantically well-defined?
- Could the expression be generated by our semantic grammar?

Pay attention to which parts are the functors and which parts are the arguments.

1. \([\text{skateboards}](\text{Homer})\)

2. \([\text{hungry}](\text{skateboards})\)

3. \([\text{studies}](\text{every}(\text{parent}))\)

4. \([\text{some}](\text{Simpson})(\text{admires}(\text{Bart}))\)

5. \([\text{three}](\text{male}(\text{student}))\)

For the following trees, provide the meaning of the root (top) node and the rules used to build the tree.
1. Maggie admires Bart.

```
S
   /\     /
  PN  VP
 /     /
Maggie V PN
    |    |
   admires Bart
```

2. Every girl teases Homer.

```
S
   /\     /
  QP  VP
 /     /
D    NP    V    PN
 /     |     |     |
every  N  teases Lisa
     |    |
girl
```
3. Some angry male student skateboards.

4. Every girl not teases Homer.
5. Lisa runs or skis.

6. Some boy runs or skis.