

EECS 111 – Fundamentals of Computer Programming
Fall 2007
Mini-Quiz 4
Tuesday, October 23, 2007

Name

Assume that Emu is a simple class, with fields: name, height, and weight.

This code:

```
[define my-emu [new Emu "Eddie" 5.5 80]]
```

creates a new Emu object with name “Eddie”, height 5.5 (feet), and weight 80 (pounds).

Given this code:

```
[define emu-farm  
  [list  
    [new Emu "Eddie" 5.5 80]  
    [new Emu "Elmo" 4.2 67]  
    [new Emu "Egbert" 6.0 100]  
    [new Emu "Esther" 5.0 92]  
    [new Emu "Erin" 3.5 42]  
  ]  
]
```

What is the result of running the following code?

```
[map [ e → e.name ]  
  [filter [ e → [> e.weight 90] ]  
    emu-farm]]
```

Hint: The result is a list containing two items.