

Name \_\_\_\_\_

Email \_\_\_\_\_

6.1120 Fall 2022

Miniquiz #12

5 Minutes

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1. Recall that a closure can be represented by the constructor  $Function(a_f, x_p, s)$ . In plain English, what do each of the parameters represent?

- $a_f$  :

- $x_p$  :

- $s$  :

2. For each function in the following IMP program, list all the variables that are visible when the function is invoked (but right before the first statement in the body is executed).

```
var a = 2;
var b = 3;
var f = fun(c) {
  var g = fun(d) {
    var h = 2;
    return h;
  };
  var e = 1;
  return g;
};
f(a)(a);
```

- $f$  :

- $g$  :