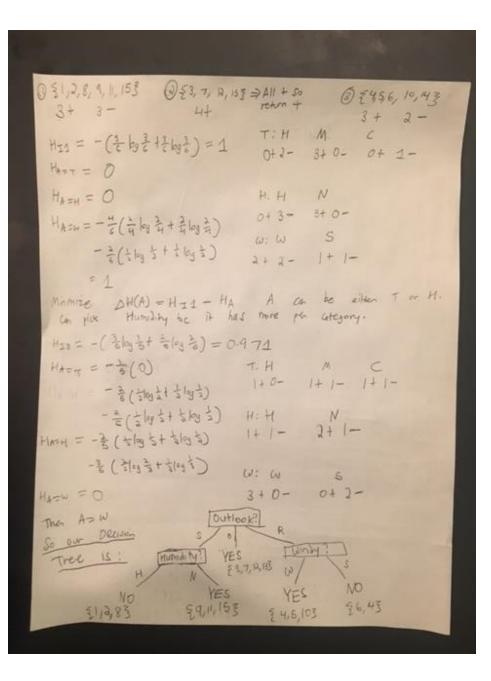
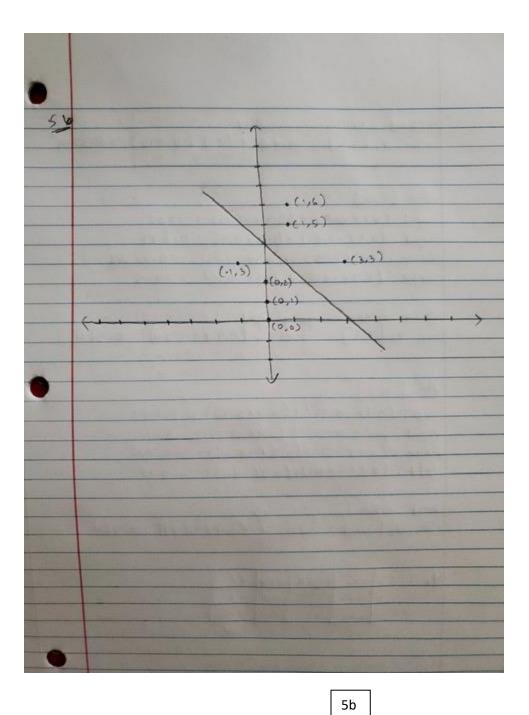
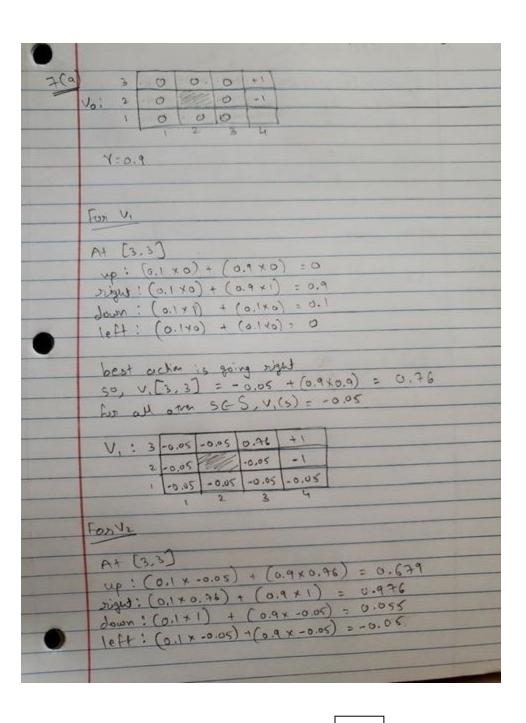
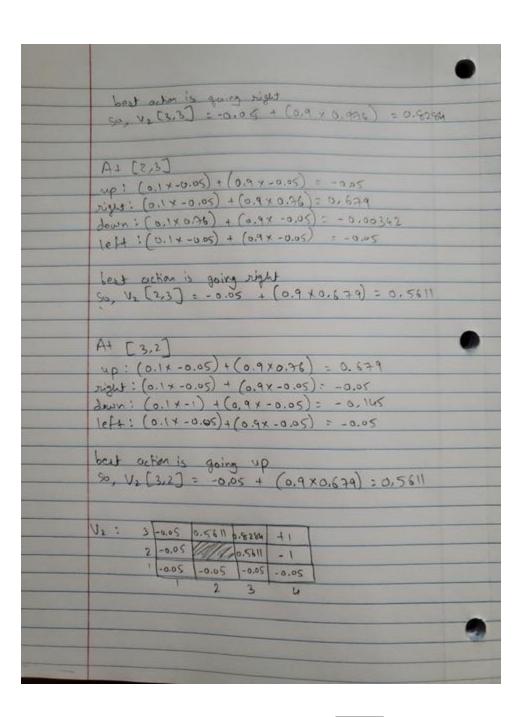
Decision Tree

$$|0+5-|$$
 $H_{I} = -(\frac{10}{15}\log\frac{10}{10} + \frac{5}{15}\log\frac{5}{15}) = .918$
 $0: S = 0$
 $0: S = 0$
 $0: S = 0$
 $0: S = 0: S = 0$
 $0: S = 0: S = 0: S = 0: S = 0$
 $0: S = 0: S = 0$









```
Terminal - jsp202@man: ~/cs520/ass3
File Edit View Terminal Tabs Help
| 0.328 | 0.424 | 0.544 | 0.424 |
Iteration #8
  0.557 | 0.688 | 0.835
                           +1
                  0.688
                           -1
  0.441
         WALL
  0.336 | 0.429 | 0.545 |
                           0.429
Iteration #9
  0.557
          0.688 | 0.835
                           +1
  0.441
          WALL
                  0.688
                           -1
  0.337
          0.430 | 0.546 |
                           0.430
Iteration #10
          0.688 | 0.835 |
  0.557
                          +1
        I WALL
                  0.688
 0.441
                           -1
  0.338
         0.431
                  0.546 I
                           0.431
The optimal policy is:
 Right
          Right
                  Right
                           +1
          WALL
                  Up
                           -1
  Up
          Right
  Right |
                  Up
                           Left
```