

HW5

Question 1:

Utilities

s	(1, 1)	(2, 1)	(3, 1)	(1, 2)	(2, 2)	(3, 2)
$U_0(s)$	-1	-1	-1	-1	-10	20
$U_2(s)$	-2.44	6.4592	12.5872	-0.05919	2.8096	20
$U_5(s)$	4.8637	8.6047	13.5539	2.1551	3.7713	20
$U^*(s)$	5.2064	2.8614	8.6914	3.7992	13.5818	20

Policy

2	v v v	>>>	x
1	>>>	>>>	^^^
	1	2	3

Question 2:

Utilities Convergence: 10

Policy Convergence: 4

Question 3: a

2	<<<	>>>	x
1	>>>	v v v	^^^
	1	2	3

Question 4: c

2	v v v	>>>	x
1	>>>	>>>	^^^
	1	2	3

Question 5: d

2	v v v	>>>	x
1	>>>	>>>	^^^
	1	2	3