Continuous evaluation	
IA (second part) May 2019	Name:
$i \in [0 \ m]$ , we know the values of $f(\mathbf{a_i}) \in \mathbb{R}$ . We	earning, for some data of the form $\mathbf{a_i} \in \mathbb{R}^n$ , where $\mathbf{a_i}$ would like to determine the values of $f(\mathbf{b_j})$ where $\mathbf{a_j}$ you could do that using a neural network (input,
output, what has to be learned).	
Question 2 For the pong game, you tried to were the results so poor?	b learn how to play using supervised learning. Why
Question 3 What is the main difference being?	tween supervised learning and reinforcement learn-



Question 4 A MDP is described by 5 variables:	$(s,T,a,R,\pi)$ . Describe in one line each of
hese variables.	
uestion 5 What is the optimal policy?	
Question 6 Here is the second Bellman equation:	
$Q(s,a) = R(s,a) + \gamma \sum_{s'} T(s)$	$(s,a,s')\max_{a'}Q(s',a')$
rescribe in details what that equation is expressing.	$\boxed{ \boxed{ 0  \boxed{0.5  \boxed{1}  \boxed{1.5  \boxed{2}  \boxed{2.5} }}$
escribe in details what that equation is expressing.	0 0.0 1 1.0 2 2.0



