	You are using reinforcement learning to control a four legged robot. The position of the robot would be its  Or reward							
	<ul><li>action</li><li>state</li></ul>							
	return							
	Correct Great!	:						
	2.							1 / 1 point
	You are controlling a Mars rover. You will be very very happy if it gets to state 1 (significant scientific discovery), slightly happy if it gets to state 2 (small scientific discovery), and unhappy if it gets to state 3 (rover is permanently damaged). To reflect this, choose a reward function so that:							
	$\bigcirc$ R(1) > R(2) > R(3), where R(1), R(2) and R(3) are positive.							
	O R(1) < R(	$\bigcirc$ R(1) < R(2) < R(3), where R(1) and R(2) are negative and R(3) is positive.						
	O R(1) > R(	R(1) > R(2) > R(3), where R(1), R(2) and R(3) are negative.						
	R(1) > R(	R(1) > R(2) > R(3), where R(1) and R(2) are positive and R(3) is negative.						
3.								1 / 1 point
You are using reinforcement learning to fly a helicopter. Using a discount factor of 0.75, your helicopter starts in some state and receives rewards -100 on the first step, -100 on the second step, and 1000 on the third and final step (where it has reached a terminal state). What is the return?  Output  -100 - 0.75*100 + 0.75^2*1000  -0.25*100 - 0.25^2*100 + 0.25^3*1000  -0.75*100 - 0.75^2*100 + 0.75^3*1000  Correct  Awesome!								
4.								1 / 1 point
	Given the rewa	ards and actions	below, comput	e the return fr	om state 3 wit	h a discount fa	ctor of $\gamma=0.25$ .	
	end start							
		←	←	←	←			
	100	0	0	0	0	40	← rewar	rd
$\gamma = 0.25$								
	<ul><li>0.39</li><li>6.25</li></ul>							
	0.23							
	O 25							

1 / 1 point

1.

**⊘** Correct

If starting from state 3, the rewards are in states 3, 2, and 1. The return is  $0+(0.25)\times0+(0.25)^2\times100=6.25$ .