CMPSC 464	Name:
Fall 2022	
Assignment 4	
$\mathrm{Nov}/03/2022$	
Time Limit: Due on Nov 17th	

This assignment contains 9 pages (including this cover page) and 7 questions.

Instructions for TEX: If you are writing down the solution in tex, comment out the empty-box and write your solution in Tex. Make sure your solution does not overflow (meaning it should stick to a single page)

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	ints) Exercise 85 points) Union			
		ment Pro		lp
(b) (ξ	5 points) Conca			

(c)	(c) (5 points) Star		
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CMPSC 464Assignment 4 - Page 4 of 9 Nov/03/20222. (15 points) Exercise 8.11 (p.g. 358) Assignment Project Exam Help https://tutorcs.com WeChat: cstutorcs

(10 po	ints) Show that PALINDROME is in L
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CMPSC 464Assignment 4 - Page 6 of 9 Nov/03/20224. (15 points) Exercise 8.22 part (a) (p.g. 359) Assignment Project Exam Help https://tutorcs.com WeChat: cstutorcs

5. (10 points) Exercise 8.22 part (b) (p.g. 359) (Hint: You may assume previous result)	
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6.	(20 points) Exercise 8.23 (p.g. 360) (Hint: How to do DFS on a tree using Logspace?)
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7. (15 points) Exercise 8.25 (p.g. 360) Assignment Project Exam Help https://tutorcs.com WeChat: cstutorcs