Last name	
First name	
Group	

$\operatorname{Grade}$	
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# $\begin{array}{c} \textbf{Algorithmics} \\ \textbf{Undergraduate} \ \mathbf{2}^{nd} \ \textbf{year} \ (\textbf{S3}) \end{array}$

Final Exam #3 (P3) 16 December 2016 - 9:30 Answer Sheets

1	
2	
3	
4	
5	

Answers 1 (Connections by and large... - 4 points)

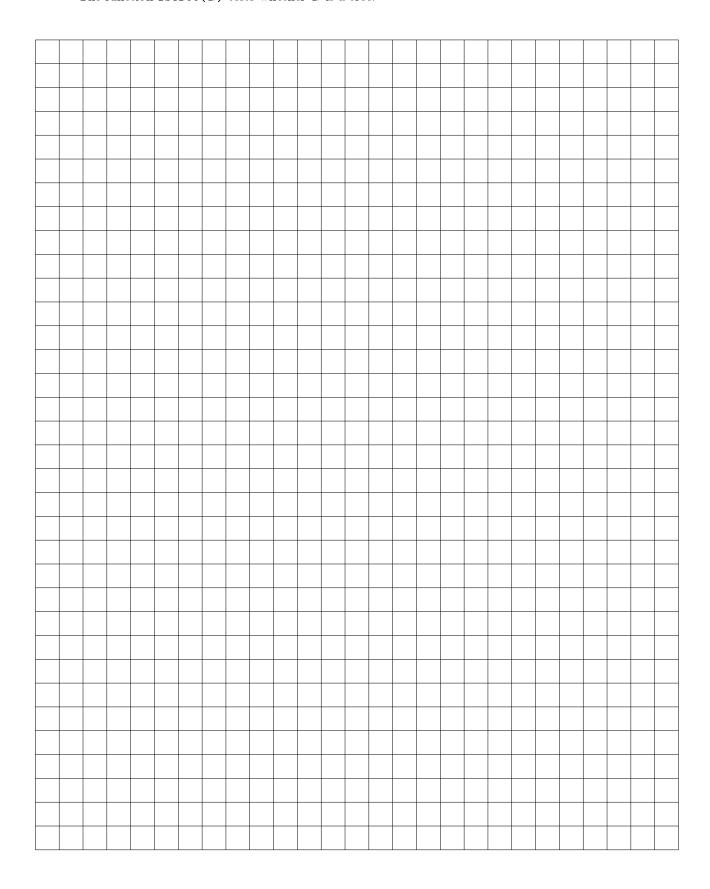
1.	Is it true? YES NO						
	Justify your answer:						
2.	Give three conditions that $G$ must necessarily check to be a kinship graph:						

Aigorithmics Answer Sheets – Final	Undergr	Undergraduate 2 year (S Epin		
4nswers~2~ (Implement	cation and questions.	2  points)		
1. The transitive closur	e of $G$ is a	_ graph:		
a)				
b)				
2. The Depth-First Sea	rch postorder list of ver	tices of $G$ is:		
$4nswers\ 3$ (Red-Black	Trees and Mystery	$-\ 3\ points)$		
1.				
		Returned result	Call number	
	(a) whatIsThis( $B_1$ )			
	(b) whatIsThis( $B_2$ )			
2. What measure does	whatIsThis $(B)\ calcular$	te?		

### Answers 4 (I want to be tree - 5 points)

#### ${\bf Specifications:}$

The function isTree(G) tests whether G is a tree.



## Answers 5 (Diameter - 6 points)

#### ${\bf Specifications:}$

The function diameter(G) computes the diameter of G (G is a tree).

