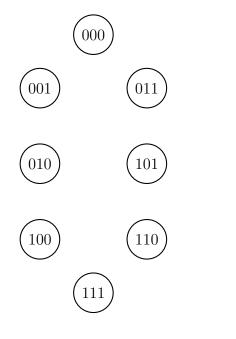
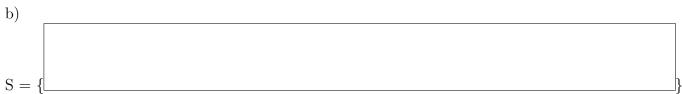
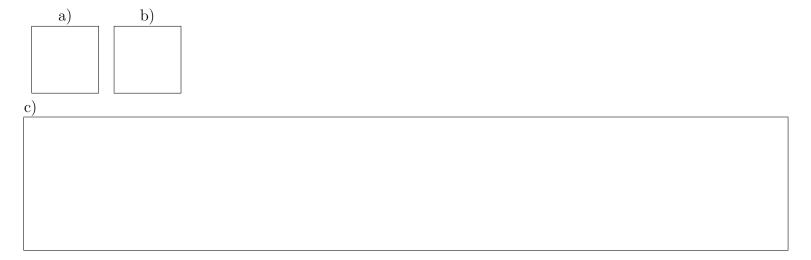
## Problem 1 (R.1)

a) Please draw your arrows between the names provided. Please keep your work within this section even though there is no box surrounding it.





## Problem 2 (R.2)



$d) \\ \langle F, B, E, B \rangle$	: Explanation:
□ Walk □ Path □ Circuit □ Cycle	
$\langle A, E, B, D \rangle$	$\langle A \rangle$ : Explanation:
□ Walk □ Path □ Circuit □ Cycle	

$\langle A, A, E, B,$	$\langle D, A \rangle$ : Explanation:
□ Walk □ Path □ Circuit □ Cycle	
$\langle D \rangle$ :	Explanation:
□ Walk □ Path □ Circuit □ Cycle	

$\langle F, E, B, E \rangle$ : Explans	ation:
□ Walk □ Path □ Circuit □ Cycle	
Problem 3 (	(R.3) Explanation:
□ Reflexive	
□ Anti-Reflexive □ Symmetric □ Anti-Symmetric □ Transitive	

b)	Explanation:
□ Reflexive □ Anti-Reflexive □ Symmetric □ Anti-Symmetric □ Transitive	
c)	Explanation:
□ Reflexive □ Anti-Reflexive □ Symmetric □ Anti-Symmetric □ Transitive	

Problem 4.1 (R.4)			
$F \circ G$ :			
	$\bigcirc B$		
	$\bigcirc$ A	$\bigcirc$	
	(E)	$\bigcirc$ D	
Explanation:			

Problem 4.2 (R.4)					
a) b) c) d)  [					
Explanation (Not required, but putting an explanation may help you need to request a regrade):					