Name:.....Student ID ..... **Sent by 5/12/2024**

1) Convert the number from the last 4 digits of your Student ID, into the number bases below:

a) Base 5 b) Base 7 c) Base 9

2) Convert the number from the last 4 digits of your Student ID **divided by 100, into** the binary.

3) Write the truth table for Y = (A ⊕ B)·(A + C). **Hint:** Need to draw a table of A, B, C, A ⊕ B, A + C and Y.

A	B	C						Y
		0						
		1						
		0						
		1						
		0						
		1						
		0						
		1						

3) Draw the circuit for Y = (A ⊕ B)·(A + C). **Hint:** Start drawing from the inputs of A, B and C on the left.

A ---

B --- ----- Y

C ---