

COS 210 Worksheet 7

- \bullet This worksheet consists of 3 questions for a total of 12~marks
- Show your working for all calculations and reasoning.

Question 1
$L=\{w: w \text{ contains at least three 1's}\}.$
Question 2
$L=\{w: \text{ the length of } w \text{ is odd and its middle symbol is b}\}.$
Question 3

 $L = \{w : w \text{ is a regular expression}\}$