

- 6 (a)** Find the total number of different arrangements of the 11 letters in the word CATERPILLAR. [2]

- (b) Find the total number of different arrangements of the 11 letters in the word CATERPILLAR in which there is an R at the beginning and an R at the end, and the two As are not together. [4]

[illegible]

- (c) Find the total number of different selections of 6 letters from the 11 letters of the word CATERPILLAR that contain both Rs and at least one A and at least one L. [4]