Question 1. (AQA June 2003 Intermediate Paper 1 NO Calculator)

The diagram shows a spinner.

When the arrow is spun the probability of scoring 2 is 0.3

The arrow is spun twice and the scores are added.

(a) Complete the tree diagram

First spin

Second spin

(b) What is the probability that the total score is 4?

Question 2. (AQA November 2003 Intermediate Paper 1 NO Calculator) Tom and Sam take turns to throw a dart at a target. The probability that Tom hits the target is 0.3 and the probability that Sam hits the target is 0.2 (a) Complete the tree diagram (b) What is the probability that Tom's throw Sam's throw both Tom and Sam hit the target? Hit 0.2 Hit 0.3 Miss Hit Miss Miss [2 marks] [1 mark]