|  |  |
| --- | --- |
| **Topic 4: Statistics and Probability**  | **Probability and Tree Diagrams** |
|  |
| 1. If Amanda gets up on time, the probability that she walks to school is 0.90. If Amanda gets up late, there is a 0.25 probability that she gets a ride with her father. The tree diagram below represents the probabilities of these scenarios. Amanda wakes up on time at a probability of 0.7.

 |
| * 1. Complete the tree diagram
	2. Find the probability she walks to school
 | (3 marks)(3 marks) |

|  |
| --- |
| Mark scheme:(a)(A1)(A1)(A1) for each correct pair |
| 1.
 | (A1)(M1)(A1) |