If a collection of events are **mutually exclusive**, *then the probability of the conjunction of those events is...*

1

If a collection of events are **jointly exhaustive**, *then the probability of the disjunction of those events is...*

2

When does a collection of events form a **partition***?*

3

Name some types of actuator that might be found on a robot.

4

Name some types of sensors that might be found on a robot.

5

Name two things that may cause the robot to incorrectly percieve its location.

6

What is a pose?

7

1

0

2

1

- *Stepper motors*
- *DC motors*
- *Artificial muscles*
- *Hydraulic controls*

When the events are both mutually exclusive and jointly exhaustive.

4

3

- *The sensors are noisy*
- *The robot may sometimes move a greater or lesser distance than it intended*

- *Camera*
- *Bumpers*
- *Range finders (infra red, sonar, laser)*
- *Light detectors*

6

5

A collection of three integers, representing the x position, the y position and the angle of rotation of the robot.

7