Orientation & navigation

Orientation mechanisms

- · Proprioreceptive cues
- · Beacons
- Vectors/distances/directions of at least two landmarks
- · Snapshot matching
- · Geometric shape of environment
- Sun/star/sky compass plus one of the above

Orientation & navigation

Navigation mechanisms

- Dead reckoning/path integration
- Learning a route (response learning)
- Snapshot library with vectors or route information
- · Cognitive map

Orientation & navigation

Cognitive maps

What needs to be shown to demonstrate that an animal has a 'cognitive map'?

Do bees/rats/? have cognitive maps?