203: Electrical installations technology  
**Worksheet 9: Alarm and emergency systems**

**Answer guide**

Try the following problems.

1. **State the two circuit configurations for alarm circuits.**

**Open circuit**

**Closed circuit**

1. **In an open circuit the detectors are connected in (delete as appropriate):**

**Series / Parallel**

1. **What device is connected to the end of an open circuit in order to check that the circuit has not been broken?**

**End of line monitoring resistor**

1. **In closed circuit the detectors are connected in (delete as appropriate):**

**Series / Parallel**

1. **What two things are fire alarm circuits designed to protect?**

**Life**

**Property**

1. **Fire alarm systems are usually connected in:**

**Series / Parallel**

1. **Intruder alarm systems are usually connected in:**

**Series / Parallel**

1. **State the two classifications for emergency lighting.**

**Maintained**

**Non-maintained**