201: Health and safety in building services engineering  
**Worksheet 3: Hazardous situations**

**Answer guide**

Using your notes and the internet answer the following questions.

1. **List SIX potential sources of ignition that could start a fire:**

|  |  |
| --- | --- |
|  | * **naked flames, e.g. smokers’ materials, matches, pilot lights, gas/oil heaters, gas welding, cookers, etc** * **hot surfaces, e.g. heaters, engines, boilers, machinery, lighting (such as halogen lamps), electrical equipment, etc** * **hot work, e.g. welding, grinding, flame cutting** * **friction, e.g. drive belts, worn bearings, etc** * **sparks, e.g. static electricity, metal impact, grinding, electrical contacts/switches, etc** * **arson, e.g. deliberate ignition.** |

1. **State steps that should be taken to prevent a trip hazard due to trailing leads:**

|  |  |
| --- | --- |
|  | **Ensure that trailing leads you are using do not, as far as reasonably practicable, present a trip hazard to others.**  **Route the leads away from walkways and where these are crossed, take the leads over at high level ensuring sufficient clearance.**  **Where you cannot run the leads at high level protect them with cable protectors that will greatly reduce the trip hazard as well as protecting the lead.** |