202: Principles of electrical science  
**Worksheet 13: Sine wave quantities**

**Answer guide**

1. A sine wave has a peak voltage of 100v; calculate the RMS value.

70.7V

1. A sine wave has a peak voltage of 100v; calculate the **average** value.

63.6V

1. A sine wave has a peak voltage of 565.7v; calculate the RMS value.

400V

1. A sine wave has a peak voltage of 565.7v; calculate the **average** value.

360V

1. A sine wave has a peak voltage of 90v; calculate the RMS value.

63.63V

1. A sine wave has a peak voltage of 90v; calculate the **average** value.

57.24V

1. A sine wave has an RMS voltage of 40v; calculate the **peak** value.

56.6V

1. A sine wave has an RMS voltage of 200v; calculate the **peak** value.

283V