

**Qualification:** SQA National 5 Mathematics 2017

**Paper:** 1 (Non-calculator)

**Question:** 12

12. Gym members are asked to fill out a questionnaire to rate the quality of service provided.

They are asked to give a rating on a scale of 1 to 6.

The ratings given by five members were as follows:

1 4 6 3 6

In its simplest form, the standard deviation of these ratings can be written

as  $\frac{a\sqrt{b}}{2}$ .

Find the values of  $a$  and  $b$ .

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