Quadratics

Study Development Worksheet

Questions

Expand the following:

Factorise the following, and find the solutions, using a method of your choice:

Quadratics

Study Development Worksheet

Answers

Expand:

Factorise and find solutions:

Solutions: ,

Solutions: ,

Solutions: ,

Quadratics

Study Development Worksheet

Solutions: ,

Solutions: ,

Solutions: ,

Solutions: ,

Quadratics

Study Development Worksheet

Solutions: ,

You may have spotted that does not expand to give , but rather . These are equivalent since they are equal to 0, so we have simply multiplied the first by 12 on both sides.

To factorise the original, we need to divide by 12:

**Support**: Study Development offers workshops, short courses, 1 to 1 and small group tutorials.

* Join a tutorial or workshop on the [Study Development tutorial and workshop webpage](https://www.yorksj.ac.uk/students/study-skills/study-development-tutorials/) or search ‘YSJ study development tutorials.’
* Access our Study Success resources on the [Study Success webpage](https://www.yorksj.ac.uk/students/study-skills/study-success/) or search ‘YSJ study success.’