Surds Course Notes

* Simplifying surds
* Adding and subtracting with surds
* Multiplying and dividing with surds
* Expanding brackets with surds
* Problems with surds, e.g. Pythagoras in 3D
* Rationalising the denominator

[1: Simplifying Surds](https://youtu.be/o3TZ7Lml1iM) (You can watch the video below or click on the link to take you to the webpage)

* FULL LESSON – Examples are at 4:07 – 11:44



[2: Multiplying and Dividing Surds](https://youtu.be/Rpw3ljvE_00) (You can watch the video below or click on the link to take you to the webpage)

* FULL LESSON – Examples are at 3:18 – 11:20



Indices Course Notes

* Evaluating powers
* Power of zero
* Negative powers
* Multiplying and dividing terms with indices
* Raising powers
* Fractional powers
* Expanding brackets with indices
* Scientific notation

[3: Rules of Indices](https://youtu.be/nvl0BUoo4Zg) (You can watch the video below or click on the link to take you to the webpage)

* FULL LESSON – Examples are at 3:13 – 16:04



[4: Negative Powers](https://youtu.be/EdsIHNOpoLI) (You can watch the video below or click on the link to take you to the webpage)

* FULL LESSON – Examples are at 4:06 – 8:55

