Factsheet: Trigonometric identities (degrees)

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Summary

A list of trigonometric identities with angles measured in degrees.

*The main study guide for this factsheet is* [*Guide: Trigonometric identities (degrees)*](../studyguides/trigonometricidentities-degrees.qmd)*. If you would like to know more about these, please read the guide.*

*This factsheet measures angles in degrees. For the associated factsheet measuring angles in radians, please go to* [*Factsheet: Trigonometric identities (radians)*](f-trigonometricidentities-radians.qmd)*.*

## Trigonometric identities

**Periodicity and parity**

For all angles and for all whole numbers :

**Pythagorean formulas**

For all angles

**Sum and difference formulas**

For all angles :

**Double angle formulas**

For all angles :

**Shift formulas**

For all angles :

**Sine and cosine rules**

For a triangle with corners , angles , , respectively at those corners, and sides opposite their respective corners, the **sine rule** is

and the **cosine rule** is

**Common values of trigonometric functions**

| Angle |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  | undef. |  |  |  |  |

## Version history

v1.0: created in 08/25 by tdhc.

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