



Trig Equations

10 Types of Trig Equations:

Type 1

Solve for x if $x \in [-180^\circ; 180^\circ]$

- 1. Trig ratio = value

$$3\sin(2x + 10^\circ) = -1$$



Type 2:

Give the general solution of:

- 2. Sin, Cos and Coefficient

$$3\sin(2x + 10^\circ) = \cos(2x + 10^\circ)$$



Type 3:

Give the general solution of:

3. Co-function Equations

$$\sin 2x = \cos(x + 10^\circ)$$