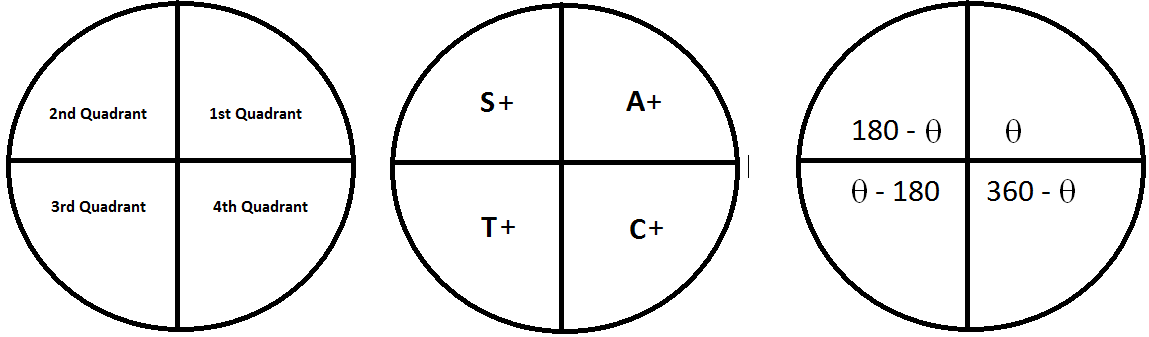
**Question 1** (Use your calculator or log tables) **Solution at bottom of page**

If. Find two possible values for B.

**Solution**



Because the angle must be in the 2nd or 3rd quadrant.

Using log tables we can see that 0.8660 corresponds to

Hence because of being in the 2nd or 3rd quadrants and using the third circle diagram above we get the following

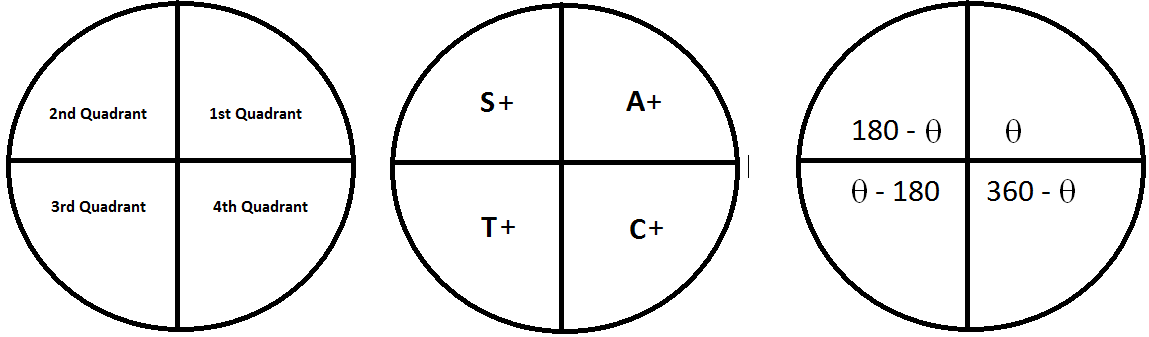
And

Therefore solutions are and

**Question 2** (Use your calculator)

If. Find two possible values for B.

**Solution**



Because the angle must be in the 1st or 2nd quadrant.

Using your calculator corresponds to

Hence because of being in the 1st or 2nd quadrants and using the third circle diagram above we get the following

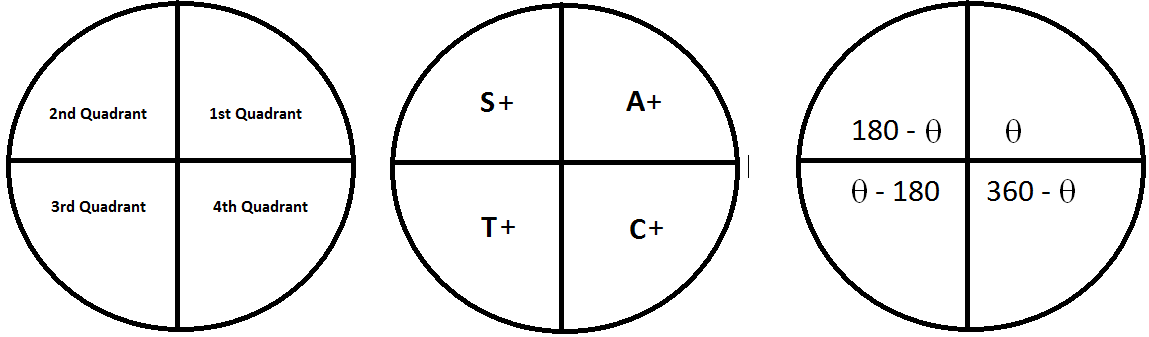
And

Therefore solutions are and

**Question 2** (Use your calculator)

If Find two possible values for C.

**Solution**



Because the angle must be in the 2nd or 4th quadrant.

Using your calculator.corresponds to

Hence because of being in the 2nd or 4th quadrants and using the third circle diagram above we get the following

And

Therefore solutions are and