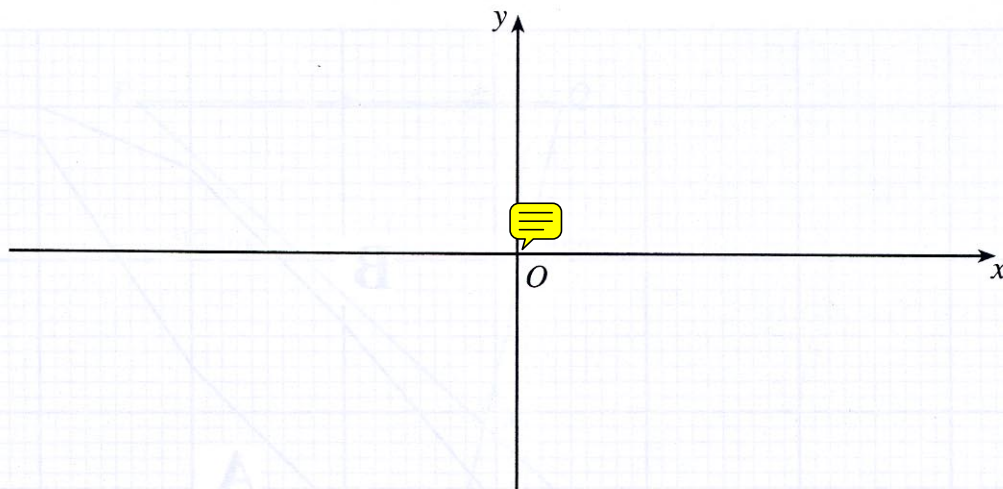


14. (a) Using the axes below, **sketch** the graph of $y = \cos x$ for values of x from -180° to 180° . [2]



(b) Write down the value of

(i) $\cos 0^\circ$,

..... [1]

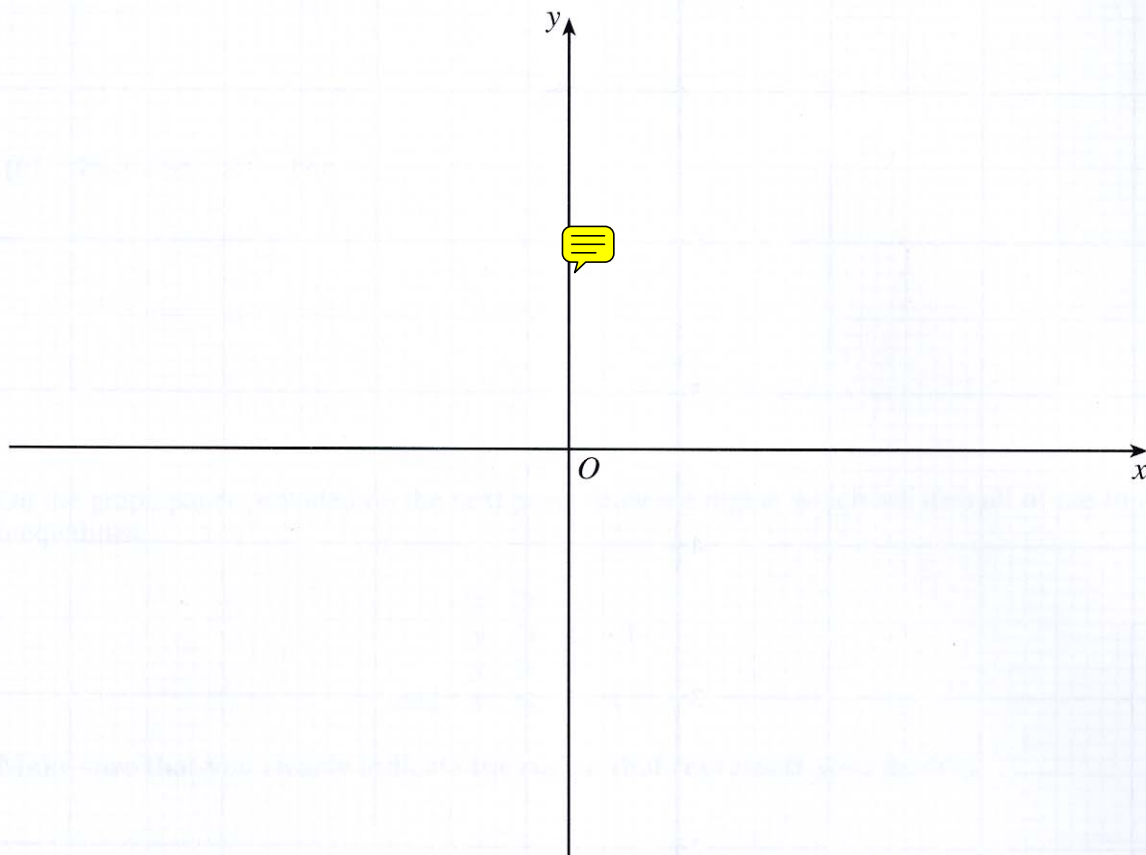
(ii) $\cos 90^\circ$.

..... [1]

(c) Given that $\cos 75^\circ = 0.2588$, write down a value of angle A for which $\cos A = -0.2588$.

..... [1]

13. (a) Using the axes below, **sketch** the graph of $y = \tan x$ for values of x from -180° to 180° . [3]



- (b) Find all solutions of the following equation in the range -180° to 180° .

$$\tan x = -14.3$$

.....

.....

.....

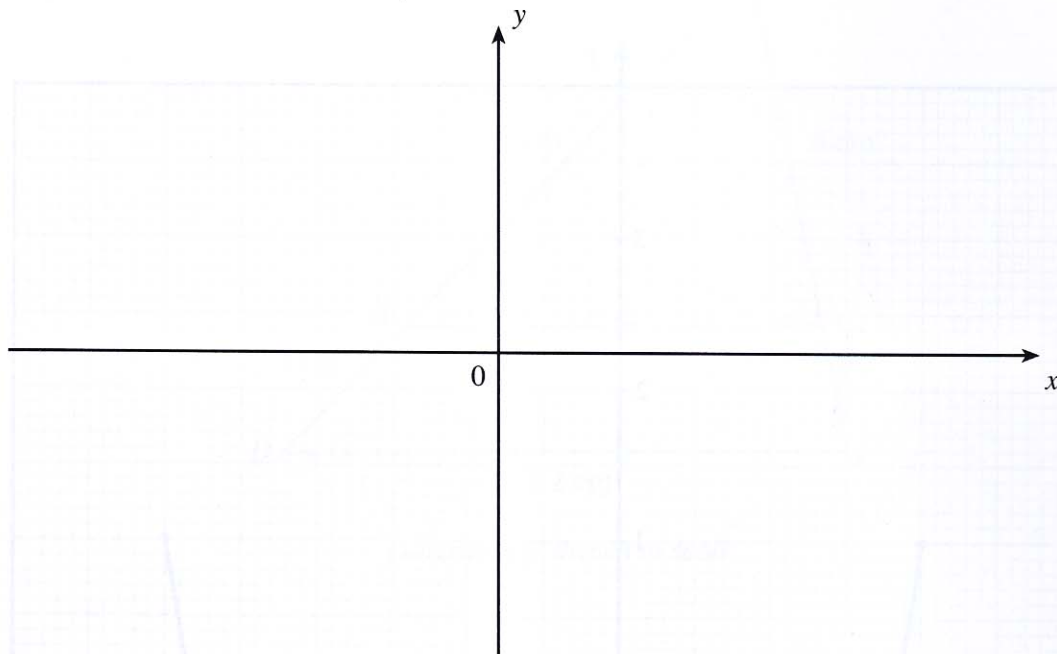
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16. (a) On the axes below sketch the graph of $y = \sin x$ for values of x between -180° and 180° . You must show the values -180° and 180° on the x -axis.



- (b) Write down the minimum and maximum values of y .

Minimum value of y is

Maximum value of y is

[1]

[2]