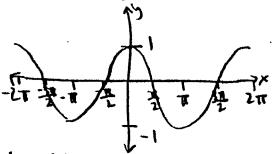
10. a. Sketch the graph of $y = \cos x$ for $-2\pi \le x \le 2\pi$. Use a scale of $\pi/2$ on the x-axis and a scale of 1 on the y-axis.

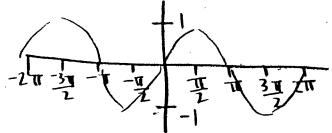


b. Using the graph explain why the following statement is true.

The graph of cosine is the Same in both where x is positive

and where X is negative, so the Values will be the same. You know this c. Sketch the graph of $y = \sin x$ for $-2\pi \le x \le 2\pi$. Use a scale of $\pi/2$ on the graph is

Summetrica



d. Use the graph to decide if $\sin(-x) = \sin x$ is a true statement? Explain why or why not and write a statement about $\sin(-x)$ that is true.

Sin(-x)= sinx is not a true statement because the graph is not symmetrical around the y-axis; in order for this to be true, the graphs must be symmetrical in this way. like y= cosx. Sin(-x) =- (Sinx) because if you were to reflect y= sinx over the yaxis, it would map out to be the exact opposite of y= sin(-x). Showing that the values above the x-axis were negative.