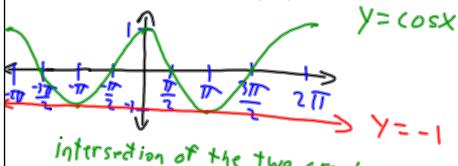


Ex4) Graph  $y_1 = \cos x$  and  $y_2 = -1$ .

Find all real numbers x such that  $y_1 = y_2$  in the interval [-2 $\pi$ ,2 $\pi$ ]



intersection of the two graphs are at x= Panl-17

Ex6) A company that produces snowboards, which are seasonal products, forecasts monthly sales for 1 year to be:

$$S = 74.5 + 43.75\cos\frac{\pi t}{6}$$

where S is the sales in thousands of units and t is the time in months, with t=1 corresponding to Jaanuary.

(a) Use a graphing utility to graph the sales function over the one-year period.



(b) Use the graph in part (a) to determine the months of maximum and minimum sales. 

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