

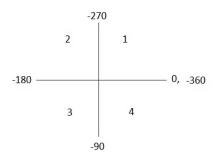
(2) The value of cos(a) = -0.1. Which two quadrants could it be in?

WORKING AT B/C

(e) $\sin(x) = 0.63$

(1) For the following statements, write down the 2 quadrants the value will lie in. DO NOT CALCULATE THE ANGLE. The first one is done for you.
(a) sin(x) = -0.25. This is the 3rd and 4th quadrant.
(b) cos(x) = 0.4
(c) tan(x) = 3
(d) cos(x) = -1/r

(2) You can also use the 4 quadrants for negative values by reading clockwise from 0.



Using the diagram above <u>or otherwise</u>, write down whether the following values will be positive or negative. DO NOT USE A CALCULATOR TO WORK OUT THEIR VALUE. (a) $\sin (-80^{\circ})$ (b) $\cos (-28^{\circ})$ (c) $\tan (-100^{\circ})$ (d) $\sin (-320^{\circ})$

(3) Given that both sin (*a*) and cos (*b*) are negative, write down which quadrant they will be in.

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WORKING AT A*/A

(1) Express each of the following in terms of either sin(x), cos(x) or tan (x).
(a) sin(-x)
(b) cos (-x)
(c) tan (-x)
(d) sin(-180 + x)
(e) cos (-360 + x)