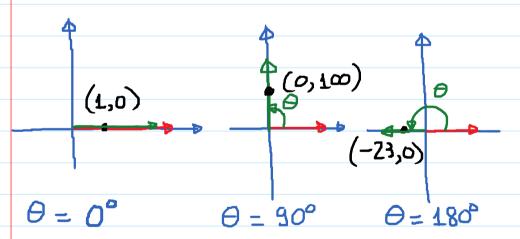


$$\omega t \Theta = \frac{-12\sqrt{3}}{-12} = \sqrt{3}$$
;  $\Delta E \Theta = \frac{4}{-2\sqrt{3}} = -\frac{2}{\sqrt{3}} \cdot \frac{\sqrt{3}}{\sqrt{3}}$ 

$$\cos \theta = -2$$

$$= -\frac{2\sqrt{3}}{3}$$

Values of the 6 trig functions of the quadrantal angles



$$\Theta = 270^{\circ}$$

$$(0, -50)$$

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	0	Pt on term.		A	teu 0	Lost O	sec (	wcθ	
	0°	(1,0); R= T	0	1	0	undef.	Ŧ	undes.	
•	90°	(0, 100), R-100	1	0	undef	۵	undal	1	
	180°	(-23,6); R=23	0	- 1		undef		undel	
,	270°	(0,-50) R = 50	-1	0	undef	0	undel	- 1	
	Mota: Cotennial angles have the same trig functions.								
	$\Lambda e \left(360^{\circ}\right) = \Lambda e \left(0^{\circ}\right) = 1$								
	$\sin\left(-90^{\circ}\right) = \sin\left(270^{\circ}\right) = -1$								
	$csc(450^{\circ}) = csc(90^{\circ}) = 1$ .								
	We have found the trig functions values of								
$\theta + n.360^{\circ}$ , $n =, -3, -2, -1, 0, 1, 2, 3,$									
	and this one of the angles 0°, 90°, 180°, 270°								

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E.g. Evaluate the given expressions:

$$sin(-270^{\circ}) + 3 \cdot tan(1800^{\circ})$$
 $cotern. w 30^{\circ}$ 
 $totern. w 3$ 

E.g. Equation of the terminal ride of an angle ⊖

in S.P. is given with a restriction on x:

$$-5x - 3y = 0$$
;  $x \le 0$ 

Q: Find the trig functions values of O.

$$\int_{-1,\frac{5}{3}}^{-3} = 5x \rightarrow y = \frac{5}{3}x$$

$$\int_{-1,\frac{5}{3}}^{-3} = \frac{5}{3}x$$

$$\int_{-1,\frac{5}{3}}^{-3} = \frac{5}{3}x$$

 $y = -\frac{5}{3} \cdot (-1) = \frac{3}{3}$ 

R = ....

trig function values ...