

Tuesday, January 22, 2019 8:43

$$\sin\theta = \frac{3}{R} = \frac{5}{13}$$
;  $\cos\theta = \frac{x}{R} = \frac{-12}{13} = \frac{12}{13}$ 

$$\tan \theta = \frac{4}{x} = \frac{5}{-12} = -\frac{5}{12}$$
;  $\sec \theta = \frac{R}{x} = \frac{13}{-12} = -\frac{13}{12}$ 

$$cos \theta = \frac{R}{y} = \frac{13}{5}$$
;  $cos \theta = \frac{x}{y} = \frac{-12}{5} = -\frac{12}{5}$ 

$$R = \sqrt{(-2\sqrt{3})^2 + (-2)^2} = 4$$

$$\Delta \sin \theta = -\frac{1}{2}$$
;  $\cos \theta = -\frac{2\sqrt{3}}{4} = -\frac{\sqrt{3}}{2}$ 

$$\frac{2}{2} = \frac{1}{13} =$$

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

$$\Delta x = \frac{2}{\sqrt{3}} = \frac{2\sqrt{3}}{3}$$
;  $\Delta x = \frac{2}{2}$ 

Values of the 6 trig Functions of quadrantal angles.

Tuesday, January 22, 2019 8:57 AM								
	0	Pt on team.	sin 0	Cone	tano	cut 0	nec 6	ſλť <del>Θ</del>
l	O°	(1,0)	0	1	0	undef.	1	undef
		(0,1)	1	0	undef	0	undef	1
1	80	R=2 (-2,0)	٥	-1	0	undel	-1	undaf
5.	70°	(0,-1)	-1	0	undef	0	moley	-1
Mote: Coterminal angles have the same trig  function values  90° - 450° cos 450° = cos 90° = 0  csc 450° = csc 90° = 1  90°270° sin(-270°) = sin 90° = 1  You know the values of trig functions of all  ungles of the form 90° + 10.360° where  n =2, -1, 0, 1, 2								

## Evaluate expressions:

$$\cos^2(360^\circ) - \sin^2(360^\circ)$$

360° is esterminal with 0°.