Name

Determine exact trigonometric ratios for special angles

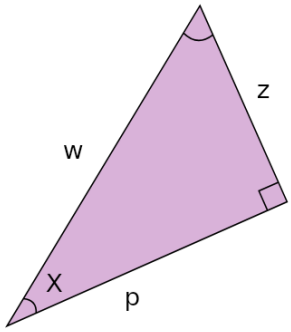
1

Acronym for trigonometry ratios

A Sumotada	B Sohcahtoa
C Sotosoto	D Serasera

2

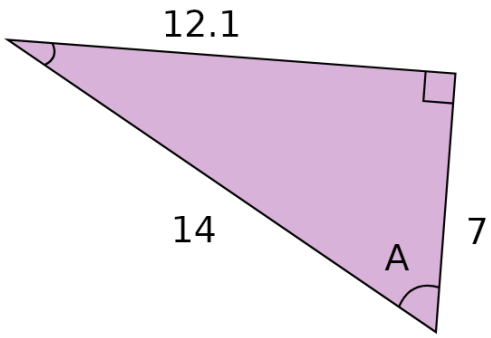
What would side z over p be called with respect to angle 'X'



A $\frac{hypotenuse}{adjacent}$	B $\frac{adjacent}{hypotenuse}$
C $\frac{hypotenuse}{opposite}$	D $\frac{opposite}{hypotenuse}$
E $\frac{opposite}{adjacent}$	F $\frac{adjacent}{opposite}$

3

Solve for the trigonometric ratio in fraction form



A $\sin(A) = \frac{12.1}{14}$

B $\sin(A) = \frac{14}{12.1}$

C $\sin(A) = 7 \times 12.1$

4

Solve for the trigonometry ratio given the values

$$opp = 3.4$$
$$hyp = 5.2$$
$$adj = 4$$
$$cos(\alpha) =$$

A $cos(\alpha) = 0.77$

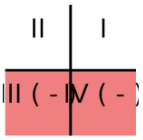
B $cos(\alpha) = 1.08$

C $cos(\alpha) = 0.45$

D $cos(\alpha) = 14.29$

5

Which trig ratio will be negative in these quadrants?



A $\cos(\alpha)$

B $\sin(\alpha)$

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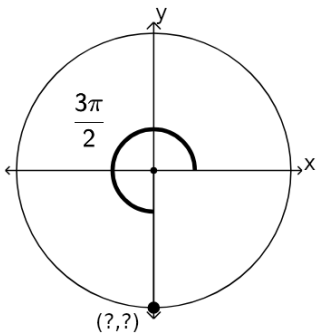
6

What are the coordinates of the unit circle point at 3π/2 radians



A

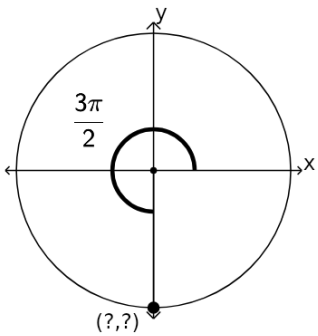
$$(\sin(\frac{3\pi}{2}), \cos(\frac{3\pi}{2}))$$

B

$$(\cos(\frac{3\pi}{2}), \sin(\frac{3\pi}{2}))$$

7

What are the coordinates of the unit circle point at 3π/2 radians



A

$$(\sin(\frac{3\pi}{2}), \cos(\frac{3\pi}{2}))$$

B

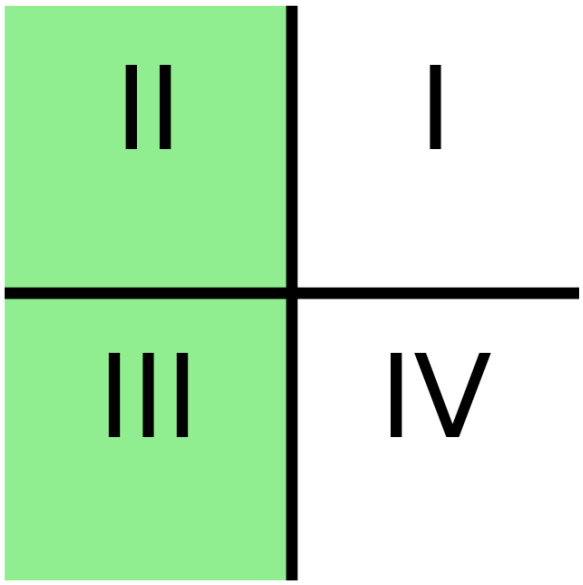
$$(\cos(\frac{3\pi}{2}), \sin(\frac{3\pi}{2}))$$

8

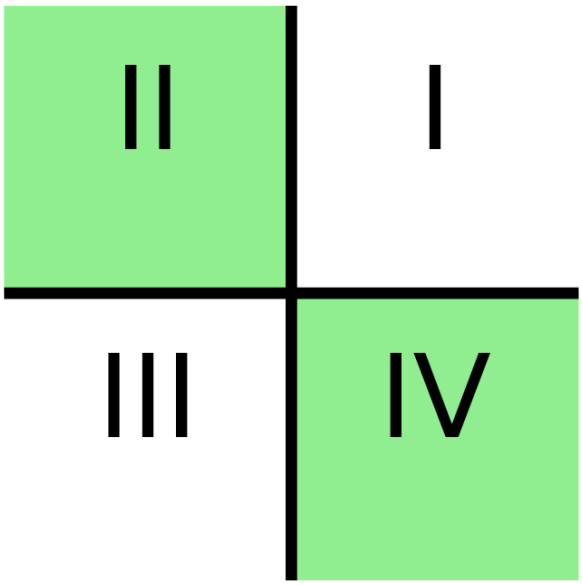
In which quadrants would this trig ratio have this sign?

$$\cos(\beta) \rightarrow \text{negative}$$

A



B



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9
Which trig ratio will be positive in these quadrants?

$$I, II$$

A
$\sin(\gamma)$

B
$\cos(\gamma)$

10
Which trig ratio and sign would be correct for this angle?

$$225°$$

A
$\tan \rightarrow \text{positive}$

B
$\tan \rightarrow \text{negative}$

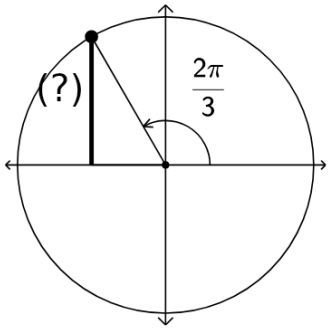
11
Which trig ratio and sign would be correct for this angle?

$$\frac{4\pi}{3} \text{ rad}$$

A
$\cos \rightarrow \text{negative}$

B
$\cos \rightarrow \text{positive}$

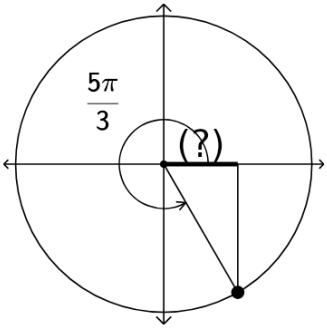
12
What is the Y dimension for the unit circle point at 2π/3 radians?



A
$\frac{\sqrt{2}}{2}$

B
$\frac{\sqrt{3}}{2}$

13
What calculation gives the X dimension for the unit circle point at 5π/3 radians?



A
$\cos(\frac{5\pi}{3}) = \frac{1}{2}$

B
$\sin(\frac{5\pi}{3}) = -\frac{\sqrt{3}}{2}$