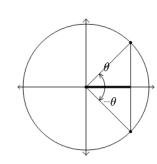


## mobius

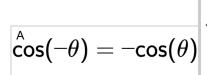
## Trigonometry, Unit Circle Negative Angles Identity - Cos/Sin to Identity



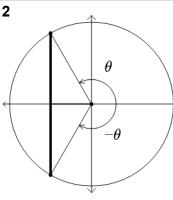
(Greek Letter)



What is true about the cosine of this negative angle?



$$\cos(- heta)=\cos( heta)$$

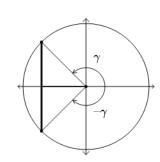


What is true about the sine of this negative angle?

$$\overset{ ext{A}}{\mathsf{sin}}(- heta) = -\mathsf{sin}( heta)$$

$$\mathsf{sin}(- heta) = \mathsf{sin}( heta)$$

3

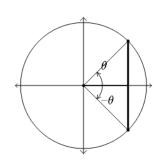


What is true about the sine of this negative angle?

$$\overset{\scriptscriptstyle{\mathsf{A}}}{\mathsf{sin}}(-\gamma)=\mathsf{sin}(\gamma)$$

$$\sin(-\gamma) = -\sin(\gamma)$$

4

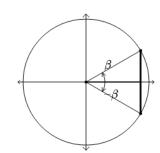


What is true about the sine of this negative angle?

$$\overset{\scriptscriptstyle\mathsf{a}}{\mathsf{sin}}(- heta) = \mathsf{sin}( heta)$$

$$\overset{\scriptscriptstyle\mathsf{B}}{\mathsf{sin}}(- heta) = -\mathsf{sin}( heta)$$

5

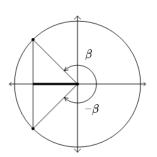


What is true about the sine of this negative angle?

$$\overset{ ext{A}}{\mathsf{sin}}(-eta) = -\mathsf{sin}(eta)$$

$$\sin(-eta)=\sin(eta)$$

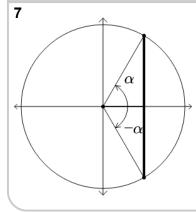
6



What is true about the cosine of this negative angle?

$$\overset{ ext{ iny cos}}{ ext{ iny cos}}(-eta)= ext{ iny cos}(eta)$$

$$\cos(-eta) = -\cos(eta)$$

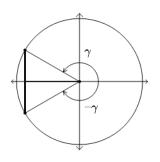


What is true about the sine of this negative angle?

$$\overset{\scriptscriptstyle\mathsf{A}}{\mathsf{sin}}(-lpha) = -\mathsf{sin}(lpha)$$

$$\sin(-lpha)=\sin(lpha)$$

8



What is true about the sine of this negative angle?

$$\overset{\scriptscriptstyle\mathsf{A}}{\mathsf{sin}}(-\gamma) = \mathsf{sin}(\gamma)$$

$$egin{aligned} egin{aligned} egin{aligned} egin{aligned} -\gamma \end{pmatrix} = -\mathsf{sin}(\gamma) \end{aligned}$$