## Math Note

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## **Solutions**

Here is an example sentence.

1. The table gives characteristics of a trigonometric function f for selected intervals of  $\theta$ . Which of the following could define  $f(\theta)$ ?

$\theta$	$\pi < \theta < \frac{3\pi}{2}$	$\frac{3\pi}{2} < \theta < 2\pi$
$f(\theta)$	negative	positive

- (a)  $\cos \theta$  only
- (b)  $\sin \theta$  only
- (c)  $\cos \theta$  or  $\sin \theta$
- (d) Neither  $\cos \theta$  nor  $\sin \theta$
- 2. If  $\sin\theta=-\frac{1}{2}$  and  $\theta$  is in Quadrant III, what is the value of  $\cos\theta$  ?