

Trigonometric Functions

In the interval $\pi < x < \frac{3\pi}{2}$:

- (a) $\sin x$ and $\cos x$ are decreasing.
- (b) $\cos x$ is decreasing and $\sin x$ is increasing.
- (c) $\cos x$ is increasing and $\sin x$ is decreasing.
- (d) both $\sin x$ and $\cos x$ are increasing.

Answer: c. Describe solution from both the unit circle as well as corresponding function graphs.