Pre-Calculus

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Contents

1   Trigonometry

1.1   Coterminal Angles

Find an angle between 0 and 2π that is coterminal with $\theta = -\frac{11\pi}{6}$.

- Two angles are coterminal if their starting and ending sides are the same.

- An angle is in standard position when its initial side is on the positive x-axis.

- For negative angles, rotate clockwise.

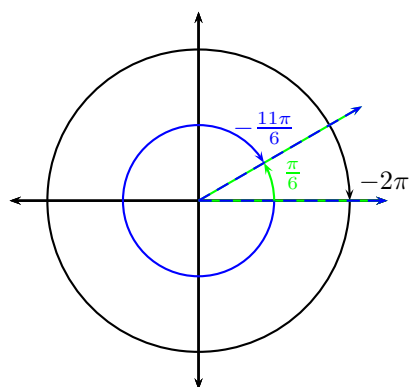- $-2\pi = -\frac{12\pi}{6}$, therefore we're $\frac{\pi}{6}$ short.

- The coterminal angle is $\frac{\pi}{6}$

Figure 1: Coterminal angles in radians