## 4960 miles

Give the quadrumt in which the Eerminal side of the congle lies if $\theta=2.4$

## Qucudrontill

Give a positivive and negotive coterminal ongle

$$
\text { for } \frac{11 \pi}{6}
$$

## $23 \pi \quad \pi$ $\frac{23}{6},-\frac{\pi}{6}$

Give a posititive and negotive coterminal ongle

$$
\text { for }-\frac{5 \pi}{6}
$$

## $7 \pi \quad 17 \pi$ $\overline{6},-\frac{17 \pi}{6}$

Give the complement ond scpplement of $\frac{2 \pi}{21}$

## $17 \pi 19 \pi$ $\overline{42}, \overline{21}$

Convert to decimol degrees 3 to the nearest thousondthh) : $135^{\circ} 16^{\prime} 45^{\prime \prime}$

## $185.779{ }^{\circ}$

## Convert to DMS (tuo tha nearestst second): $185.29^{\circ}$

## $105^{\circ} 1 \Pi^{\prime} 24^{\prime \prime}$

## Convert to radions /to the nearrest thoussandth): $94^{\circ}$

### 1.641

## Convent to radioms 7to the neareast thouscondth $) ~-~-72^{\circ}$

## $-1.237$

## Convert to degrees 7 too the nearrest thouscondthh):

 $\frac{5 \pi}{7}$
## $128.571^{\circ}$

## Convert to degreas: $\frac{3 \pi}{5}$

## $108^{\circ}$

Find the radion meassure of the cantrul omgle of a circle with a radius of 12 ft that intercepts on cric of length 23 ft. Roumd to the nearrest thoussmodth.

### 2.083

Find the exact valut of the length of the arc on $\alpha$ circle with a roduris of 20 feet interceptead by a central angle of $138^{\circ}$.

## $\frac{46 \pi}{3}$ feet

Find the length 3 Too the nearrest thoousmondth] of the arc on a circle with a radius of 15 feet intercepted by a central angle of $60^{\circ}$.

### 15.708 feet

Determine the north-south distunce 3 To the nearesst mile) ffrom Perth, Austrulia, which has lotititude of B1'58 S to Beijing, China, whith has
alatifucude of $39^{\circ} 5^{\circ}$ N. Assume the earth is a sphere with rodicus 4,000 miles.

