## Pre-Calculus Cheat Sheet

by ccox2018 via cheatography.com/45296/cs/13334/
$\begin{array}{|ll|}\hline \text { To Find The Arc length of circle } \\ \hline \text { Radian } & \mathrm{L}=(\text { Radian }) / 2 \mathrm{pi} \times(2(\mathrm{pi}) \mathrm{r}) \text { or } \\ (\text { radian }(\mathrm{r}))\end{array}$ ( $\mathrm{L}=($ dergee $\left.) / 360\right) \times((2)(\mathrm{pi})(\mathrm{r}))$

| To find the Area of circle |  |
| :--- | :--- |
| Radians | $\mathrm{A}=($ radians $/ 2 \mathrm{pi}) \times\left((\mathrm{pi})\left(\mathrm{r}^{\wedge} 2\right)\right)$ |
| Dergee | $\mathrm{A}=($ degree $/ 360) \times\left((\mathrm{pi})\left(\mathrm{r}^{\wedge} 2\right)\right)$ |

## Degree to Radian and Radian to Degree

| Degree to Radians: | $((\mathrm{X}) / 180) \times(\mathrm{pi})$ |
| :--- | :--- |
| Radians to Degree | $((\mathrm{x}) /(\mathrm{pi})) \times(180)$ |

## Sin,Tan,Cos, Csc,Sec,Cot

| Sin | (opposite/hypothesis) |
| :--- | :--- |
| Cos | (adjacent/hypothesis) |
| Tan | (opposite/adjacent) |
| Csc | (hypothesis/opposite) |
| Sec | (hypothesis/adjacent) |
| Cot | (adjacent/opposite) |

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