|  |
| --- |
| **OBJECTIVES**  |
| * Convert from degrees/minutes/seconds to degrees in decimal form, using your TI-84.
 |
| * Convert from degrees in decimal form to degrees/minutes/seconds, using your TI-84.
 |
| * Define *radian*.
 |
| * Illustrate a radian.
 |
| * Know the approximate value of one radian in degrees, accurate to one decimal place.
 |
| * Convert from radians to degrees.
 |
| * Convert from degrees to radians. Give both an exact answer and an approximate answer.
 |
| * Find the length of an arc subtended by a central angle that is given in degrees in a circle of radius *r*.
 |
| * Find the length of an arc subtended by a central angle that is given in radians in a circle of radius *r*.
 |

**TUESDAY (2.11.25)**

**Review the concepts discussed last week.**

**Discuss the previously assigned work:** Page 318 (*Quick Review:* #2 – 10 even); (*Exercises*: #2 – 24 even, 28, 29, 30, 36).

**Class Work/Homework:**

* Page 318 (#35); Page 319 (#43, 45).
* Study for a **Quiz** (*Changing Degrees to Radians; Changing Radians to Degrees*) to be taken on Thursday. You may use one page of notes.

**THURSDAY (2.13.25)**

**Discuss the previously assigned work:** Page 318 (#35); Page 319 (#43, 45).

**Quiz (Changing Degrees to Radians; Changing Radians to Degrees)**

**Class Work/Homework:** Convert 200 rpm to miles per hour for a wheel with a radius of 15 inches. Round to the nearest tenth. Show your work.

**FRIDAY (2.14.25)**

**Discuss the previously assigned class work/homework.**

**Class Work/Homework:**

* Pages 319 - 321 (#44, 59, 61, 72).