## NOTES 10.2 – ARCS, SEMICIRCLES, & CENTRAL ANGLES

CENTRAL ANGLE:

THEOREM: SUM OF CENTRAL ANGLES The sum of the measures of the central angles of a circle with no interior points in common is 360°.

| EXAMPLE 1: Name the fol       | lowing.  |
|-------------------------------|--|
| The central angle:            |  |
| The two arcs:                 | U  |
| MINOR ARC:                    |  |
| MAJOR ARC:                    |  |
| Arcs are measured by their of | corresponding central angles.                          |
| EXAMPLE 2:                    | • $m \neq PCM -$                                       |
|                               |  |
|                               | • <i>m</i> PM =  |
| C                             | • <i>m</i> 'PNM'=                                      |
| M                             | <ul> <li>What kind of arc is PM? How do you</li> </ul> |
| N                             | know?  |
| SEMICIRCLES:                  |  |
|                               |  |
|                               |  |
|                               |  |
|                               |  |





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