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| **Date** | **Topic** | **Assignment** |
| Mon 20 Apr | More on theorems involving lines/circles | p. 752: 11-27 |
| Tue/Wed 21-22 Apr | Arcs and chords: measure, length, central angles | p. 760: 19-35, 44-49 |
| Th/Fri 23-24 Apr | Sectors, Segments, Arcs: distances, areas and composites | p. 767: 12-22 |
| Mon 27 Apr | Quiz on Circles | Watch video on mgeo.weebly.com + take notes |
| Tue/Wed 28-29 Apr | Inscribed Angles and Cyclic Polygons | Worksheet |
| Th/Fri 30 Apr-1May | Angle and Segments Within/Around Circles | p. 787: 16-28  p. 796: 9-18 |
| Mon 4 May | Test on Circles | None :) |

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Extra Credit: Due 4 May  
A new car company is looking for a circular logo for their new line of luxury cars. The diameter of the logo sketch cannot be greater than 16cm. Design a circular logo according to the following outlines:

1. Draw a circle on graph paper using a compass or other circular object. Place at least one central angle and two inscribed angles and two non-vertical, non-horizontal chords in the circle.
2. Determine the length of the radius, the diameter, and each chord length (using the distance formula)
3. Measure the central and inscribed angles with a protractor; then use geometry to calculate the arc lengths.
4. Calculate the area and circumference of the circle.
5. Trace the logo onto unlined paper; design and color as desired. Calculate the area of each colored portion (show work).

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