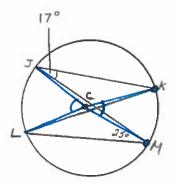
A: Exploring Angles in a Circle Continued

Remember the three rules of angles in a circle!

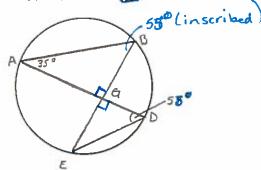
Examples:

1. If <KJM = 17°, <JML = 25° and point C is the centre of the circle, what is the measure of each of the following angles?



- a. <KLM
- *25°* b. <JKL
- c. <JCL
- d. <KCM

- inscribed
- inscribed Central
- 37
- 2. In the diagram, <BAD = 35° and <ADE = 2.55°



- a. What is the measure of <ABE? 57° inscribed
- b. What is the measure of <AGB? $180^{\circ} 35^{\circ} 55^{\circ} = 10^{\circ}$
- c. What type of triangle is $\triangle ABG$? Right triangle
- d. What is the measure of <DGE? 900 opposite angles

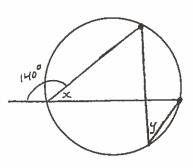
A STATE OF THE PARTY OF THE PAR

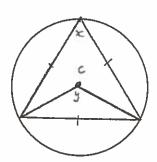
II Thomas

The second secon

5

3. Find the unknown angle measures, x and y in each diagram. Where C is labeled, it is the centre of the circle.



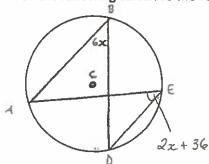


$$C = \frac{180^{\circ}}{3}$$
 equ

 $x = \frac{180^{\circ}}{3}$ equilatural triangle

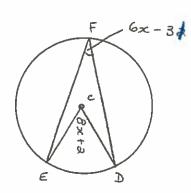
y = 60x2 = central angle 1200

4. For the following calculate the value of x.



$$\frac{3\pi}{3} = \frac{36}{3}$$

Assignment: Page 384 # 12 - 15, 17, 20



$$\frac{8x+2}{2} = 6x-34$$

$$1 = 2x - 34$$