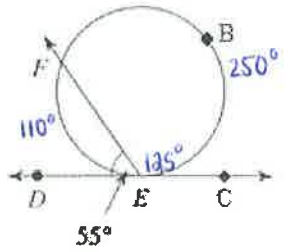
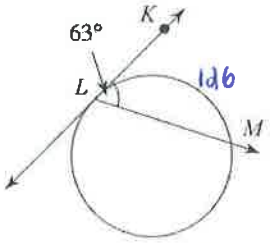
Geometry H
Section 10.5 Intro Ungraded Warm Up

Name : Key
Date : _____ Period : ___

1. Please find $m\overset{\frown}{FE}$, $m\overset{\frown}{FBE}$, and $m\angle CEF$.



2. Please solve for x.

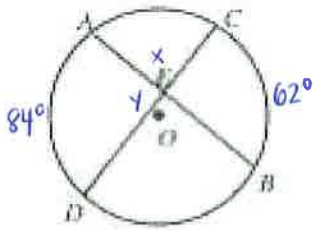


$24x - 6 = 234$

$24x = 240$

$\boxed{x = 10}$

3. In the figure below, $m\overset{\frown}{AD} = 84°$ and $m\overset{\frown}{BC} = 62°$. What is $m\angle AEC$?



$y = \frac{1}{2}(84+62)$

$y = \frac{1}{2}(146)$

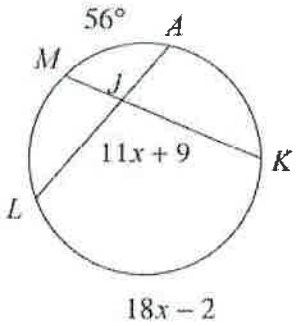
$y = 73$

$m\angle AED = 73°$

$m\angle AEC = 180 - 73$

$\boxed{m\angle AEC = 107°}$

4. In the figure below, $m\overset{\frown}{MA} = 56°$, $m\angle LJK = (11x+9)°$, and $m\overset{\frown}{LK} = (18x-2)°$. please solve for x.



$11x+9 = \frac{1}{2}(56+18x-2)$

$11x+9 = \frac{1}{2}(18x+54)$

$11x+9 = 9x+27$

$2x+9 = 27$

$2x = 18$

$\boxed{x = 9}$