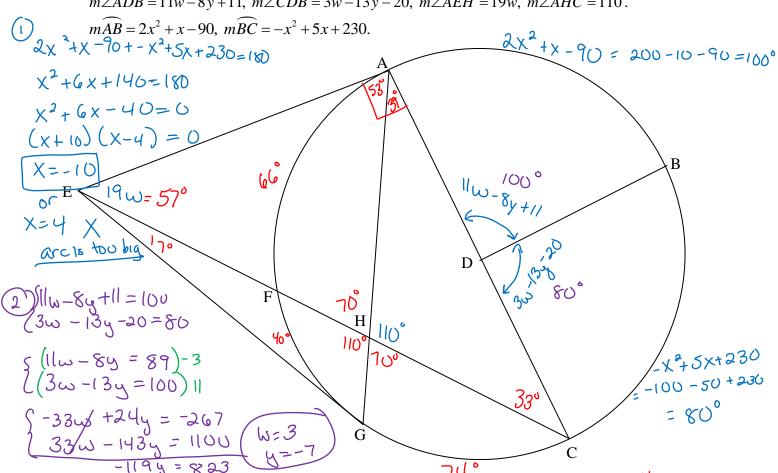
Accelerated Geometry Circle Practice

In circle D shown below, \overline{AC} is a diameter, \overline{AE} and \overline{EG} are tangent segments, $m\angle ADB = 11w - 8y + 11$, $m\angle CDB = 3w - 13y - 20$, $m\angle AEH = 19w$, $m\angle AHC = 110$.



1.
$$w = 3$$

8.
$$\angle ACH = 33^{\circ}$$

15.
$$\angle HAC = \frac{74}{2} = 37^{\circ}$$

2.
$$x = -10$$

9.
$$\angle EAC = 90^{\circ}$$

3.
$$y = -7$$

17.
$$\angle GAC = 37^{\circ}$$

4.
$$\widehat{AB} = 100^{\circ}$$

11.
$$\widehat{AF} = \frac{180 - \widehat{AF}}{2} = 57$$

18.
$$\angle GAE = \frac{106}{2} = 53^{\circ}$$

5.
$$\widehat{FG} = \frac{180 + \widehat{FG}}{2} = 110$$

12.
$$\widehat{GC} = 70 = \frac{66 + \widehat{CC}}{2}$$

19.
$$\widehat{BAC} = 280^{\circ}$$

6.
$$\widehat{BC} = \bigotimes^{\bullet}$$

13.
$$\angle GHF = | | O^{\circ}$$

7.
$$\angle FEG = 74 - 40$$

$$= 17^{\circ}$$

Accelerated Geome	try
Circle Practice	

Name	
Date	