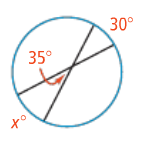
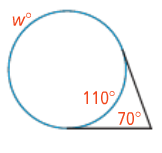
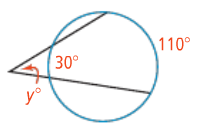
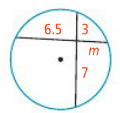
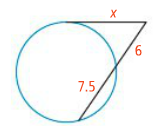
|  |  |  |  |
| --- | --- | --- | --- |
| **Key Concept** | **Notes** | | |
| Secant |  | | |
| Angles formed by the intersection of… | | | |
| 1) Two Chords | | | |
| 2) a. Two Secants b. Secant & Tangent c. Two Tangents | | | |
| Problem 1 | What is the value of each variable? | | |
| Problem 2 | A satellite in a geostationary orbit above Earth’s equator has a viewing angle of Earth formed by the two tangents to the equator. The viewing angle is about 17.5°. What is the measure of the arc of Earth that is viewed from the satellite? | | |
| Segments formed by the intersection of… | | | |
| 1. Two Chords | | 2. Two Secants | 3. Secant & Tangent |
| Problem 2 | Find the value of each variable. | | |

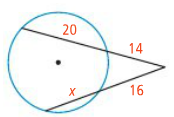
APPLICATION

What is the value of each variable?



1. 2. 3.



4. 5. 6.