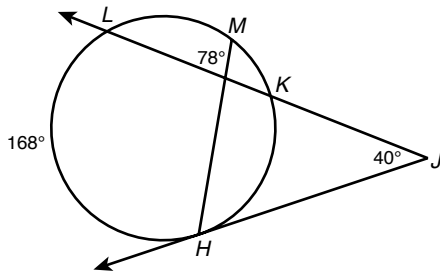


LESSON

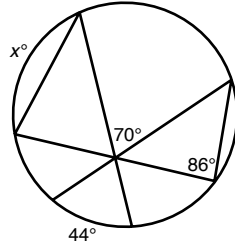
Problem Solving

11-5 *Angle Relationships in Circles*

1. What is $m\widehat{LM}$?

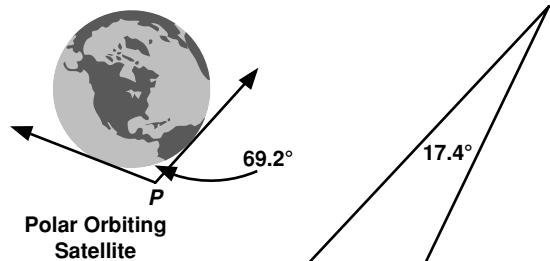


2. An artist painted the design shown below. What is the value of x ?

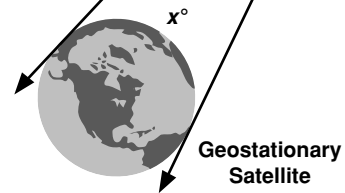


For Exercises 3 and 4, use the diagrams.

3. A polar orbiting satellite is about 850 kilometers above Earth. About 69.2 arc degrees of the planet are visible to a camera in the satellite. What is $m\angle P$?

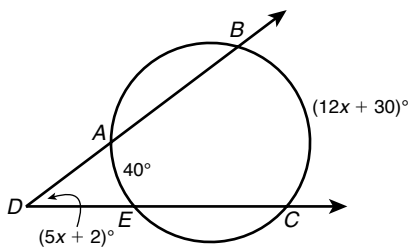


4. A geostationary satellite is about 35,800 kilometers above Earth. How many arc degrees of the planet are visible to a camera in the satellite?



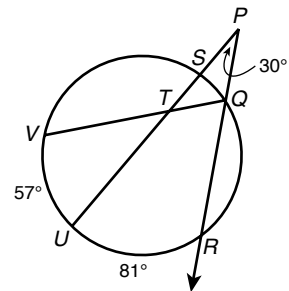
Choose the best answer.

5. What is $m\angle ADE$?



- A 7°
- B 33°
- C 37°
- D 114°

6. Find $m\angle VTU$.



- F 21°
- G 29°
- H 36°
- J 39°