The Polygon Angle Sum Theorem Exit Quiz

Find the measure of one angle in each regular polygon. Round to the nearest tenth if necessary.

- 1. regular 15-gon
- 2. regular 11-gon
- 3. regular 13-gon

- **4.** regular 24-gon **5.** regular 360-gon **6.** regular 18-gon

- 7. regular 36-gon 8. regular 72-gon 9. regular 144-gon

The measure of an exterior angle of a regular polygon is given. Find the measure of an interior angle. Then find the number of sides.

10. 7.2

11. 18

12. 45

13. 40

14. 9

15. 6

16. 24

17. 14.4

18. 12