Geometry

Practice 5.1

Find the interior angle sum for each polygon. Round your answer to the nearest tenth if necessary.
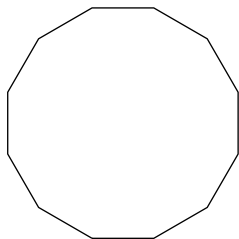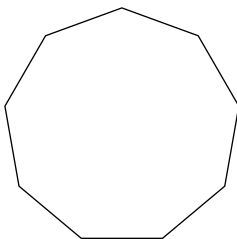
1)
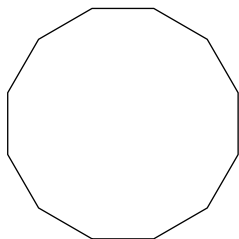
2)
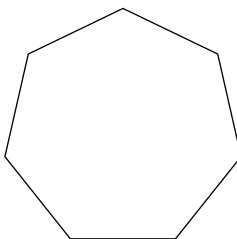
3) regular 19-gon

4) regular 14-gon

Find the measure of one exterior angle in each regular polygon. Round your answer to the nearest tenth if necessary.
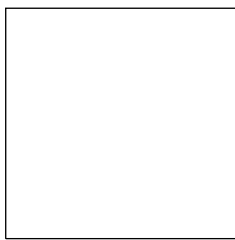
5)

6)

7) regular octagon

8) regular 15-gon

9) regular 11-gon
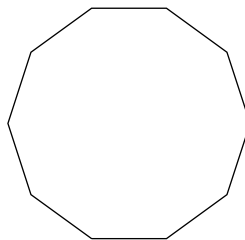
10) regular pentagon

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

11)

12)

13) regular 14-gon

14) regular 24-gon

15) regular 20-gon

16) regular 17-gon

Answers to Practice 5.1

1) 1800°   2) 900°   3) 3060°   4) 2160°
5) 30°   6) 40°   7) 45°   8) 24°
9) 32.7°   10) 72°   11) 90°   12) 144°
13) 154.3°   14) 165°   15) 162°   16) 158.8°