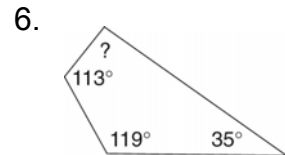
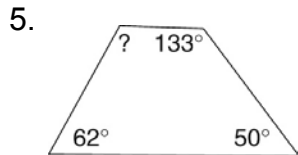
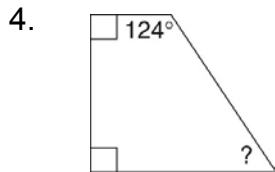
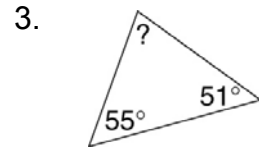
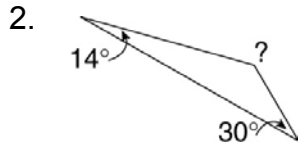
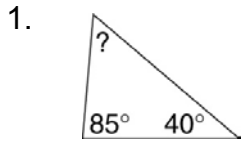


LESSON
4

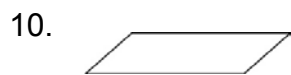
Geometric Figures

Practice B: Angles in Polygons

Find the unknown angle measure in each polygon.



Divide each polygon into triangles to find the sum of its interior angles.



13. A stop sign has the shape of a regular octagon. What is the sum of the interior angles of a stop sign?

3. If the lines form square corners, they are 90° angles.

4. $\overrightarrow{WY} \perp \overrightarrow{WF}$

5. Possible answer:
 \overline{TV} and \overline{ME} are skew.

Puzzles, Twisters & Teasers

T: 54° N: 90°
 E: 110° W: 125°
 T: 20° E: 30°

A T W E E T M E N T

Answers for Lesson 4

Practice A

- | | |
|-----------------|-----------------|
| 1. A | 2. G |
| 3. C | 4. G |
| 5. 30° | 6. 46° |
| 7. 135° | 8. 360° |
| 9. 720° | 10. 540° |
| 11. 1,080° | 12. 360° |
| 13. 900° | |

Practice B

- | | |
|-----------------|-----------------|
| 1. 55° | 2. 136° |
| 3. 74° | 4. 56° |
| 5. 115° | 6. 93° |
| 7. 1,080° | 8. 360° |
| 9. 540° | 10. 360° |
| 11. 720° | 12. 1,440° |
| 13. 1,080° | |

Practice C

- | | |
|------------------------|-------------------------|
| 1. 16° | 2. 40° |
| 3. 112° | 4. 66° |
| 5. 81° | 6. 42° |
| 7. 1,440° | 8. 720° |
| 9. 1,620° | 10. 47° ; obtuse |
| 11. 78° ; right | 12. 70° ; acute |
| 13. 60° | |

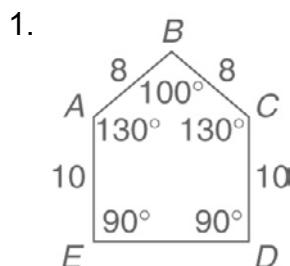
Review for Mastery

- | | |
|--------------------|--------------------|
| 1. 180° | 2. 180° |
| 3. 49° | 4. 103° |
| 5. 68° | 6. 82° |
| 7. 2 | 8. 3 |
| 9. 4 | 10. two |
| 11. 2; 360° | 12. 4; 720° |
| 13. 3; 540° | |

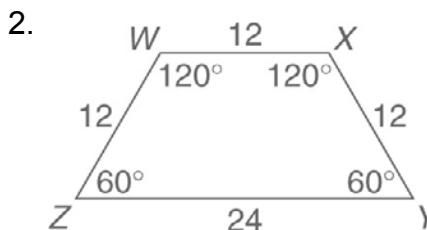
Challenge

Answers may vary.

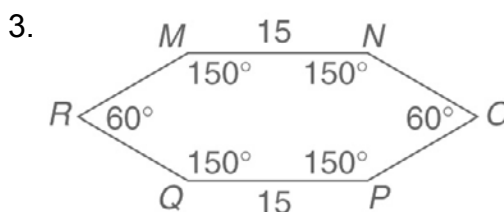
Possible answers are given.



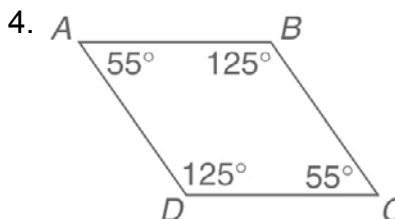
pentagon



trapezoid



hexagon



rhombus