

Lesson 5-9 • Apply Day

Reinforce Understanding

5.9 • Part II

I can find the area of a regular polygon by decomposing it into triangles.

Practice

Complete each exercise. Show the reasoning that supports your answer.

1. A regular hexagon splits into 6 triangles with base 5 and height 3. Find its area.

Complete each step, then write the final answer.

1. Area of one triangle: ____.
2. Multiply by 6 triangles: ____.

Answer: _____

2. A regular hexagon splits into 6 triangles with base 6 and height 5. Find its area.

Complete each step, then write the final answer.

1. Area of one triangle: ____.
2. Multiply by 6 triangles: ____.

Answer: _____

3. A regular hexagon splits into 6 triangles with base 7 and height 7. Find its area.

Complete each step, then write the final answer.

1. Area of one triangle: ____.
2. Multiply by 6 triangles: ____.

Answer: _____