3. 4.

Find the area.

Find the area.

 

24

20

15

7

21

10

9

10

 

Find the area.

Find the area.

5.

Find ratio the areas of the similar triangles.

7

3

Find ratio the areas of the similar figures.

6.

2

5

7. Find the ratio of Area I to Area II. 8. Find the ratio of Area A to the whole triangle.

A

II

I

9. If the ratio of the areas of two similar triangles is 25:81, find the ratio of their corresponding altitudes.

10. The ratio of the areas of two similar decagons is 18:50. Find the ratio of their perimeters.

Advanced Geometry Stations Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Ratio of Areas, Hero, and Brahmagupta Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_ Block \_\_\_\_\_\_\_

|  |  |
| --- | --- |
| 1. | 2. |
| 3. | 4. |
| 5. | 6. |
| 7. | 8. |
| 9. | 10. |