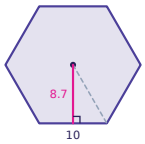
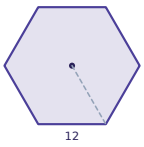
Area of Regular Polygons (Apothem) · 1

A regular hexagon has side length 10 and apothem 8.7. Find its area.



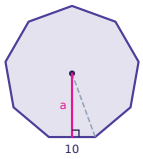
Area of Regular Polygons (Apothem) · 2

Find the area of a regular hexagon with side length 12. Write your answer in simplest radical form.



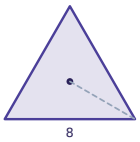
Area of Regular Polygons (Apothem) · 3

A regular nonagon has side length 10 and area 618. Find its apothem.



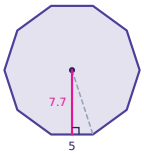
Area of Regular Polygons (Apothem) · 4

Find the area of an equilateral triangle with side length 8. Write your answer in simplest radical form.



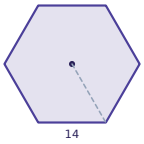
Area of Regular Polygons (Apothem) · 5

A regular decagon has side length 5 and apothem 7.7. Find its area.



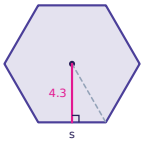
Area of Regular Polygons (Apothem) · 6

Find the area of a regular hexagon with side length 14. Write your answer in simplest radical form.



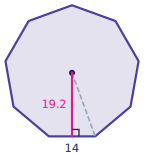
Area of Regular Polygons (Apothem) · 7

A regular hexagon has apothem 4.3 and area 64.5. Find its side length.



Area of Regular Polygons (Apothem) · 8

A regular nonagon has side length 14 and apothem 19.2. Find its area.



Area of Regular Polygons (Apothem) · 2

ANSWER

$216\sqrt{3}$

Area of Regular Polygons (Apothem) · 1

ANSWER

261

Area of Regular Polygons (Apothem) · 4

ANSWER

$16\sqrt{3}$

Area of Regular Polygons (Apothem) · 3

ANSWER

13.7

Area of Regular Polygons (Apothem) · 6

ANSWER

$294\sqrt{3}$

Area of Regular Polygons (Apothem) · 5

ANSWER

192.5

Area of Regular Polygons (Apothem) · 8

ANSWER

1209.6

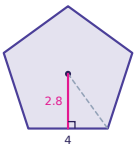
Area of Regular Polygons (Apothem) · 7

ANSWER

5

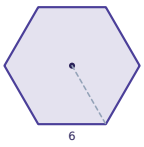
Area of Regular Polygons (Apothem) · 9

A regular pentagon has side length 4 and apothem 2.8. Find its area.



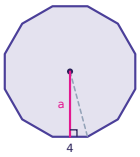
Area of Regular Polygons (Apothem) · 10

Find the area of a regular hexagon with side length 6. Write your answer in simplest radical form.



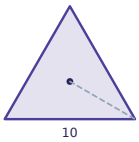
Area of Regular Polygons (Apothem) · 11

A regular dodecagon has side length 4 and area 179. Find its apothem.



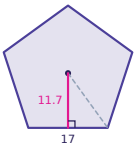
Area of Regular Polygons (Apothem) · 12

Find the area of an equilateral triangle with side length 10. Write your answer in simplest radical form.



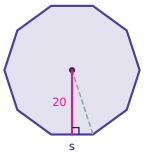
Area of Regular Polygons (Apothem) · 13

A regular pentagon has side length 17 and apothem 11.7. Find its area.



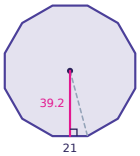
Area of Regular Polygons (Apothem) · 14

A regular decagon has apothem 20 and area 1300. Find its side length.



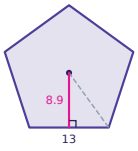
Area of Regular Polygons (Apothem) · 15

A regular dodecagon has side length 21 and apothem 39.2. Find its area.



Area of Regular Polygons (Apothem) · 16

A regular pentagon has side length 13 and apothem 8.9. Find its area.



Area of Regular Polygons (Apothem) · 10

ANSWER

$54\sqrt{3}$

Area of Regular Polygons (Apothem) · 9

ANSWER

28

Area of Regular Polygons (Apothem) · 12

ANSWER

$25\sqrt{3}$

Area of Regular Polygons (Apothem) · 11

ANSWER

7.5

Area of Regular Polygons (Apothem) · 14

ANSWER

13

Area of Regular Polygons (Apothem) · 13

ANSWER

497.3

Area of Regular Polygons (Apothem) · 16

ANSWER

289.3

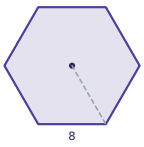
Area of Regular Polygons (Apothem) · 15

ANSWER

4939.2

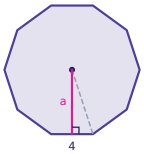
Area of Regular Polygons (Apothem) · 17

Find the area of a regular hexagon with side length 8. Write your answer in simplest radical form.



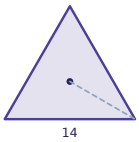
Area of Regular Polygons (Apothem) · 18

A regular decagon has side length 4 and area 123. Find its apothem.



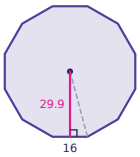
Area of Regular Polygons (Apothem) · 19

Find the area of an equilateral triangle with side length 14. Write your answer in simplest radical form.



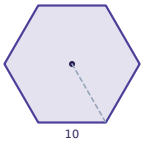
Area of Regular Polygons (Apothem) · 20

A regular dodecagon has side length 16 and apothem 29.9. Find its area.



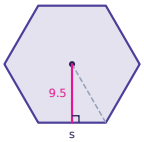
Area of Regular Polygons (Apothem) · 21

Find the area of a regular hexagon with side length 10. Write your answer in simplest radical form.



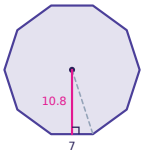
Area of Regular Polygons (Apothem) · 22

A regular hexagon has apothem 9.5 and area 313.5. Find its side length.



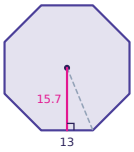
Area of Regular Polygons (Apothem) · 23

A regular decagon has side length 7 and apothem 10.8. Find its area.



Area of Regular Polygons (Apothem) · 24

A regular octagon has side length 13 and apothem 15.7. Find its area.



Area of Regular Polygons (Apothem) · 18

ANSWER

6.2

Area of Regular Polygons (Apothem) · 17

ANSWER

96√3

Area of Regular Polygons (Apothem) · 20

ANSWER

2870.4

Area of Regular Polygons (Apothem) · 19

ANSWER

49√3

Area of Regular Polygons (Apothem) · 22

ANSWER

11

Area of Regular Polygons (Apothem) · 21

ANSWER

150√3

Area of Regular Polygons (Apothem) · 24

ANSWER

816.4

Area of Regular Polygons (Apothem) · 23

ANSWER

378