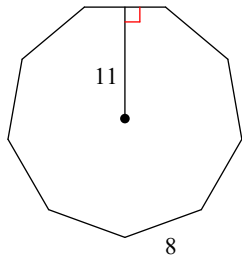


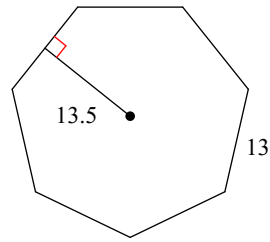
Unit 7.6 Areas of Regular Polygons EXAMPLE

Find the area of each regular polygon. Leave your answer in simplest radical form.

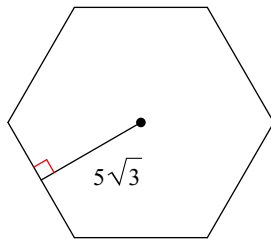
1)



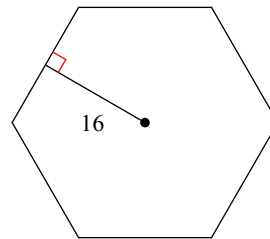
2)



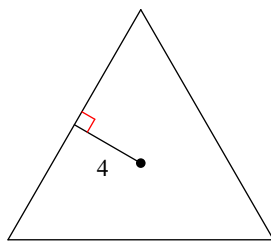
3)



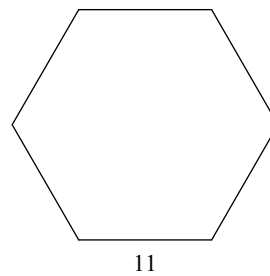
4)



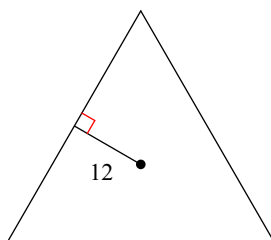
5)



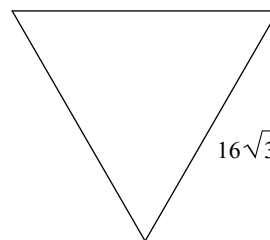
6)



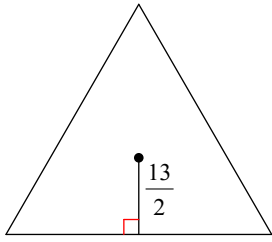
7)



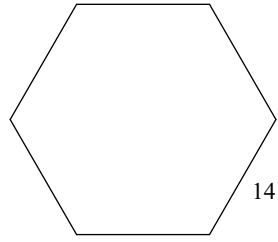
8)



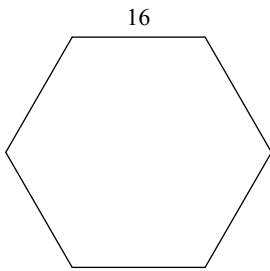
9)



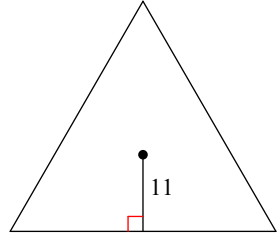
10)



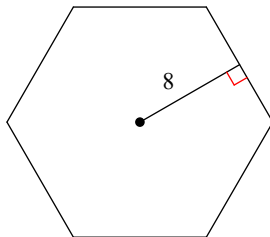
11)



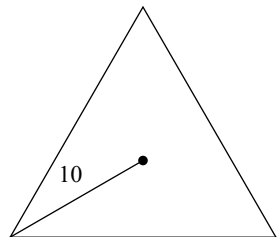
12)



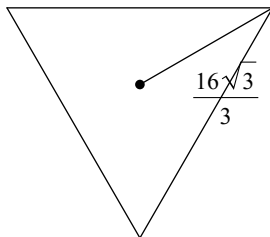
13)



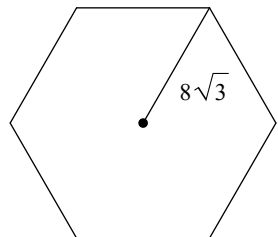
14)



15)



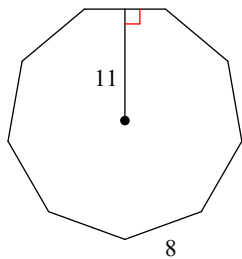
16)



Unit 7.6 Areas of Regular Polygons EXAMPLE

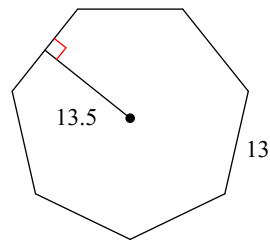
Find the area of each regular polygon. Leave your answer in simplest radical form.

1)



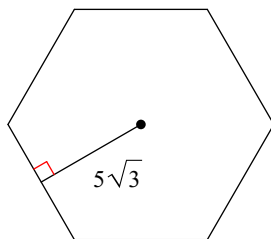
396

2)



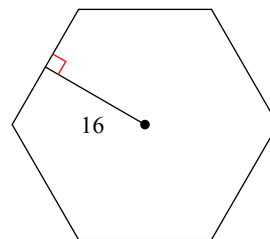
614.25

3)



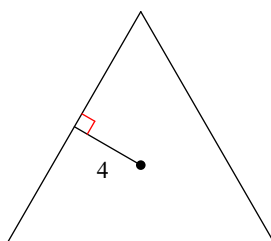
150\sqrt{3}

4)



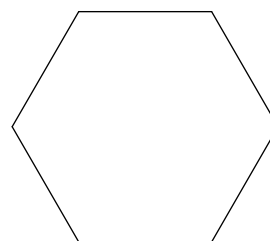
512\sqrt{3}

5)



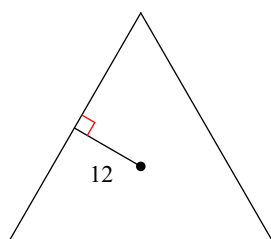
48\sqrt{3}

6)



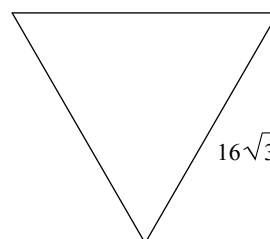
$\frac{363\sqrt{3}}{2}$

7)



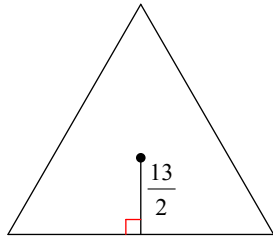
432\sqrt{3}

8)



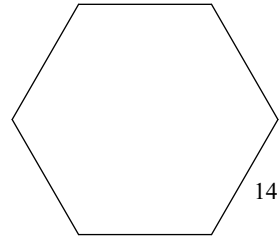
192\sqrt{3}

9)



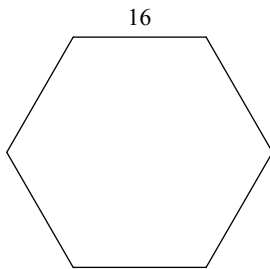
$$\frac{507\sqrt{3}}{4}$$

10)



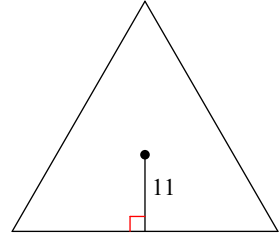
$$294\sqrt{3}$$

11)



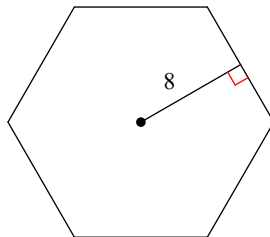
$$384\sqrt{3}$$

12)



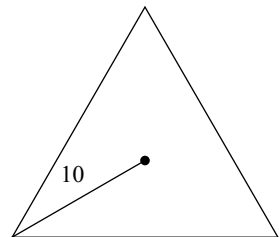
$$363\sqrt{3}$$

13)



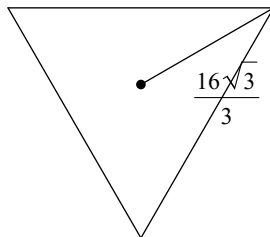
$$128\sqrt{3}$$

14)



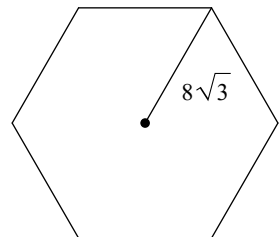
$$75\sqrt{3}$$

15)



$$64\sqrt{3}$$

16)



$$288\sqrt{3}$$