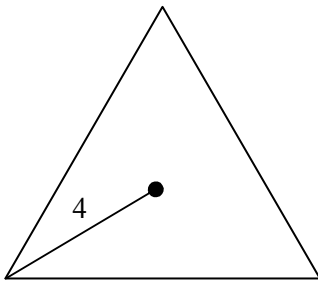
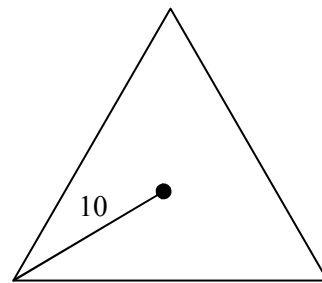


Find the area of each regular polygon. Leave answer in simplest radical form.

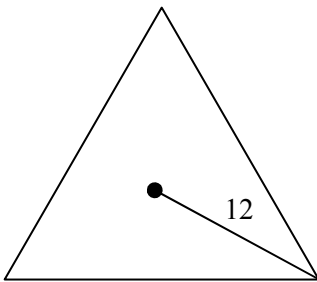
1)



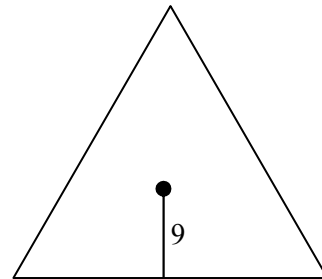
2)



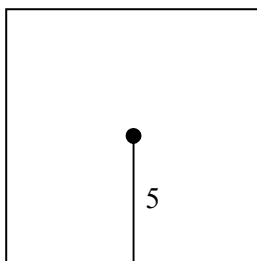
3)



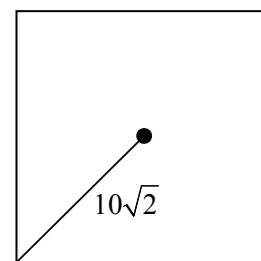
4)



5)

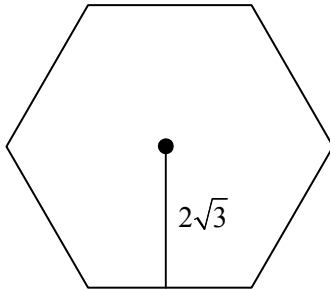


6)

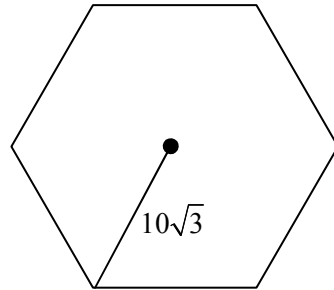


Find the area of each regular hexagon.

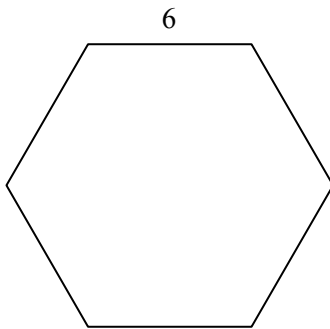
7)



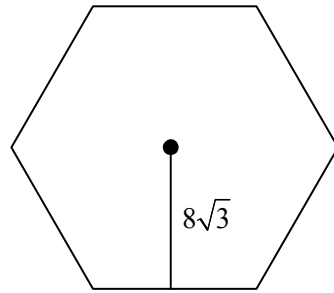
8)



9)



10)



Answer Key

- 1) $12\sqrt{3}$
- 2) $75\sqrt{3}$
- 3) $108\sqrt{3}$
- 4) $243\sqrt{3}$
- 5) 100
- 6) 400
- 7) $24\sqrt{3}$
- 8) $450\sqrt{3}$
- 9) $54\sqrt{3}$
- 10) $384\sqrt{3}$