

1. 16
2. 42
3. $\frac{13}{31}$
4. $\frac{\sqrt{3}}{3} + \frac{1}{2}$ or $\frac{1}{\sqrt{3}} + \frac{1}{2}$ or $\frac{2\sqrt{3} + 3}{6}$
5. 129°
6. 28
7. $\frac{1 + \sqrt{3}}{2}$
8. $\frac{\sqrt{7}}{4}$ or $\frac{7}{4\sqrt{7}}$
9. 13
10. $\frac{8\pi}{3}$