

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.  $129^\circ$
6. 28
7.  $\frac{1 + \sqrt{3}}{2}$
8.  $\frac{\sqrt{7}}{4}$  or  $\frac{7}{4\sqrt{7}}$
9. 13
10.  $\frac{8\pi}{3}$