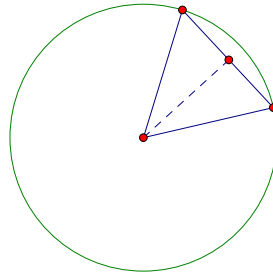


Name:

Date:

1. $\boxed{2}$
2. $\boxed{8\sqrt{2} \text{ in}}$
3. $\boxed{6.5 \text{ in}}$
4. $\boxed{2\sqrt{5} \text{ in}}$
5. $\boxed{4\sqrt{5} \text{ in}}$
6. $\boxed{10\sqrt{3} \text{ in}}$
7. (a) $\boxed{6\sqrt{2} \text{ in}}$ (b) $\boxed{6\sqrt{2} \text{ in}}$
8. $\boxed{4\sqrt{5} \text{ in}}$
9. $\boxed{2\sqrt{r^2 - d^2} \text{ in}}$
10. The image is this:



In other words, we have an equilateral triangle with side length r . Then obviously, the angle is $\boxed{60^\circ}$, and the height is $\boxed{\frac{r\sqrt{3}}{2}}$