

1. **Answer:**  $9\pi$
2. **Answer:**  $10\pi$
3. **Answer:**  $13\sqrt{3} - \frac{4\pi}{3}$
4. **Answer:**  $\sqrt{37}$
5. **Answer:**  $\frac{66}{25}$
6. **Answer:**  $\frac{448}{15}$
7. **Answer:**  $\frac{48}{5}$
8. **Answer:**  $\frac{81}{20}$
9. **Answer:**  $128$
10. **Answer:**  $\frac{343\sqrt{2}}{16}$