1. **Answer: $2\sqrt{5}$**

2. **Answer: 9π**

3. **Answer: 1560π**

4. **Answer: 30**

5. **Answer:** $\frac{5}{7}$

6. **Answer:** $\frac{5\sqrt{7}}{16}$

7. **Answer:** $\frac{3\sqrt{11}}{11}$

8. **Answer: $16\sqrt{3}$**

9. **Answer: $6\sqrt{5}$**

10. **Answer:** $\frac{156}{25}$ **or 6.24**