

1. **Answer: 60**
2. **Answer: 86400**
3. **Answer: 1**
4. **Answer: 6**
5. **Answer: 20**
6. **Answer: 87**
7. **Answer: $\frac{5\sqrt{6}}{2}$**
8. **Answer: $\frac{1}{\sqrt{2}}$**
9. **Answer: $\frac{61}{243}$**
10. **Answer: 85**