

1. **Answer: 45**
2. **Answer:  $-2$**
3. **Answer:  $-22$**
4. **Answer: 699**
5. **Answer: 6072**
6. **Answer: 3**
7. **Answer: 89**
8. **Answer: 128**
9. **Answer:  $\frac{2\sqrt{3}}{3} - 1$**
10. **Answer: 91**