

1. 315
2. 0
3. $8\sqrt[4]{27}$ or $\frac{24}{\sqrt[4]{3}}$ or $8\sqrt{3\sqrt{3}}$
4. $\frac{12}{5}$
5. 552
6. 25
7. 2
8. $\sqrt[3]{9} - 2$
9. $\frac{400}{9}$
10. $\frac{1}{6}$
11. $-\frac{1}{2}, \frac{1}{2}, \frac{3}{2}$
12. $\binom{15}{8}$ or 6435
13. $\frac{20}{7}$
14. $2 + \frac{\sqrt{2} + \sqrt{6}}{2}$ or $\frac{4 + \sqrt{2} + \sqrt{6}}{2}$
15. 30
16. $\frac{3 - \sqrt{3}}{6}$ or $\frac{1}{2} - \frac{\sqrt{3}}{6}$ or $\frac{1}{2} - \frac{1}{2\sqrt{3}}$
17. $\frac{3\sqrt{3}}{2} + 3$
18. π
19. $\frac{\sqrt{10}}{20}$ or $\frac{1}{2\sqrt{10}}$
20. 2