1. $\dfrac{97 + 48\sqrt{6} + 234\sqrt{15}}{2}$

2. $\dfrac{60\sqrt{3}}{2401\pi}$

3. $446 - 16\sqrt{2}$

4. 1355

5. $51 + 523\pi$

6. N, A, R, O, Y

7. $\dfrac{4837}{135}$

8. 1

9. 5024.75π

10. 295

11. $17\sqrt{2} + 62808.5$

12. B, A, C

13. 5

14. 406