1. 16

2. 43

3. 192

4. $51 - 36\sqrt{2}$

5. 1111011111000

6. $1009 \cdot 2015!$

7. 1440

8. $\sqrt{10} - 1$

9. $\dfrac{3\sqrt{2}}{4} = \dfrac{3}{2\sqrt{2}}$

10. $\left\{-2, -\dfrac{1}{2}, \dfrac{1}{3}, \dfrac{2}{3}, \dfrac{3}{2}, 3\right\}$ (accept any permutation)

11. $\dfrac{63}{2014}$

12. $\dfrac{2}{3}$

13. 408

14. $\dfrac{1}{\binom{17}{6}} = \dfrac{1}{12376}$

15. $\dfrac{3}{2}$

16. $\left\{\dfrac{1}{2}, -\dfrac{5}{14}\right\}$ (accept either order)

17. $\dfrac{2}{3 \cdot 2^{1/3} - 2}$

18. $\dfrac{\pi}{2}$

19. $\dfrac{2}{101}$

20. $\dfrac{(3^{64} - 1)(5^{64} - 3^{64})}{2 \cdot 3^{63}}$