

Rochester Math Club Placement Test (Novice)

Answers

July 25, 2017

1 Answers

Detailed solutions will be available to you once you become a member of the Rochester Math Club.

1. 55

2. 0

3. 24

4. 4

5. -4

6. 8

7. 9

8. 30

9. 9

10. $\frac{2\sqrt{3}}{3}$

11. 72

12. 6

13. π

14. $\frac{4}{9}$

15. 2

16. 15

17. (1, 1), (2, 0)

18. 1015

19. 80

20. 15

21. $\frac{3}{8}$

22. 8632, 8732, 8362, or 8462

23. 28

24. $\frac{120}{17}$

25. $\frac{149}{12}$

26. $\frac{1}{12}$

27. $\frac{31}{441}$

28. 134

29. $\frac{11}{16}$

30. $\frac{32 + 32\sqrt{2}}{3} \cdot \sqrt{21 - 2\sqrt{2}}$