

Team ANSWERS

Geometry

1. $\frac{1750\pi}{3}$

2. $\frac{\pi}{2}$

3. 13

4. $661\frac{1}{3}\pi$ OR $\frac{1984\pi}{3}$

5. $80 + 16\sqrt{3}$

6. $24 + 4\sqrt{2} + 4\sqrt{3}$

7. 1.4 OR $\frac{7}{5}$

8. $\frac{12\sqrt{6}}{7}$

9. $4\sqrt{10}$

10. $4\sqrt{2} - 4$

11. $64\sqrt{2} - 64$

12. 1

13. $\frac{\sqrt{3}}{3}$

14. $\frac{420}{221}$

15. $16\sqrt{3} - 8\pi$