

Solutions to Week in Review 1

Note: Only the answers for problems 1-14 are posted. The remaining problems will be covered at next weeks review

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

2. $2 + \frac{\sqrt{2}}{2}$

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

4. 18

5. $2\sqrt{2}$

6. $\frac{8\sqrt{2}}{3} - \frac{4}{3}$

7. $\frac{\pi}{2}(e^2 - 1)$

8. 24π

9. x -axis revolution: $\frac{2048\pi}{15}$

y -axis revolution: $\frac{128\pi}{3}$

10. $\frac{512\pi}{15}$

11. $\frac{16\pi}{15}$

12. $\frac{8\pi}{15}$

13. 32

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