

Round A

1. C
2. D
3. E
4. D
5. D
6. C
7. B
8. A
9. D
10. A
11. C
12. C
13. D
14. B
15. A

Round B

1. 4 : 13 (The answer $4/13$ is acceptable.)
2. $\frac{8}{81}$
3. $\frac{\pi - \sqrt{3}}{2}$ (The answer $\frac{\pi}{2} - \frac{\sqrt{3}}{2}$ is acceptable.)
4. $-\frac{12}{13}$
5. 4
6. 3420
7. 24
8. 6450