

TEAM ROUND ANSWERS

1. -1
2. $\frac{9}{64}$
3. $\frac{1}{2}$
4. $\sqrt{5}$
5. 2
6. $\frac{3333}{20000}$
7. $(2, 2\sqrt{3}, 2)$
8. $\sqrt{1717}$
9. 205
10. 6

INDIVIDUAL ROUND ANSWERS

1. $\frac{51}{310}$
2. $\frac{10}{\pi^2}$
3. -2
4. $\frac{9}{58}$
5. $\frac{128}{255}$
6. $\frac{31}{24}$
7. $-3 + \sqrt{3}$, $-3 - \sqrt{3}$, $-4 + \sqrt{2}$, and $-4 - \sqrt{2}$
8. $\frac{525}{29}$

RELAY ROUND ANSWERS

- 1A. 4
- 1B. 2
- 1C. 11
- 2A. 24
- 2B. 325
- 2C. $-1 + 10\sqrt{13}$

DEVIL ROUND ANSWERS

1. -460
2. 2
3. 72
4. 4
5. 30 degrees or $\frac{\pi}{6}$ radians. (No points if “degrees” or “°” is not written with “30”!)
6. 0
7. $\frac{7}{32}$
8. $\frac{6}{11}$
9. $\frac{23}{11}$
10. 2003
11. $\frac{3}{2}$
12. 2
13. 150
14. 3
15. 0.37

TIEBREAKER ROUND ANSWERS

1. 4
2. $\frac{1}{6}$
3. $50 + 56\sqrt{2}$