

# 2012 Open Session Answers

## Multiple Choice Problems

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

## Exact Answer Problems

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|--------------|-------------------------|-------------------------------|
| 15. $20/\pi$ | 19. $u = 13, v = 5$     | 22. $-8/3$                    |
| 16. 360      | 20. 1                   | 23. $(0, 1) \cup [3, \infty)$ |
| 17. 0        | 21. any three of 5, 13, | 24. $-3, -2, 6$               |
| 18. 1, $9/4$ | 17, 97                  | 25. $0, \pi/2, 3\pi/2$        |