

2015 Midterm Solutions

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|-----------------|-------|-------|
| 1. B | 10. B | 19. B |
| 2. D | 11. A | 20. B |
| 3. D | 12. C | 21. B |
| 4. C | 13. A | 22. C |
| 5. D | 14. C | 23. C |
| 6. B | 15. A | 24. D |
| 7. C | 16. C | 25. A |
| 8. D | 17. D | 26. B |
| 9. A | 18. D | |

Part II

1. 360 in^2
2. $V = 1125.8 \text{ cm}^3$ $S.A = 590 \text{ cm}^2$
3. 26 cans
4. 1.97 kg
5. $x^4 y^2$
6. $8\sqrt[3]{2}$
7. $10x^2 + 22x + 11$
8. $2x^3 - 4x^2 - 30x$
9. $2x(x+2)(2x-1)$