

1201 2019 Midterm Answers

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|------|-------|-------|---|
| 1. D | 10. D | 19. A | 29. D |
| 2. A | 11. C | 20. D | 30. A |
| 3. B | 12. D | 21. A | <u>Part 2</u> |
| 4. D | 13. C | 22. B | 1. 4 yd 2 ft 8 in |
| 5. C | 14. B | 23. A | 2. S.A = 3600 cm^2
$V = 8000 \text{ cm}^3$ |
| 6. B | 15. D | 24. A | 3. S.A: 3189 ft^2 |
| 7. B | 16. C | 25. C | 7 cans |
| 8. C | 17. A | 26. D | 4a) $r = 3.9 \text{ cm}$ |
| 9. A | 18. C | 27. C | b) 191.1 cm^2 |
| | | 28. D | |

$$5a) \frac{8}{27} \quad b) \frac{1}{1331}$$

$$6a) \frac{16x^{12}}{y^4} \quad b) \frac{x^{15}}{y^8}$$

$$7a) -3xy^2(x^2 + xy - 2y^2)$$

$$b) 6(x-2)(x+1)$$

$$c) (5x-4)(x+2)$$

$$8. 5x^2 - 9x - 18$$