

2009 Algebra/Geometry Answers

Multiple Choice Problems

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|------|-------|-------|
| 1. A | 7. D | 13. B |
| 2. A | 8. D | 14. D |
| 3. B | 9. B | 15. B |
| 4. E | 10. A | 16. A |
| 5. C | 11. E | 17. D |
| 6. D | 12. D | 18. C |

Exact Answer Problems

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|---|----------------------|
| 19. 19,990 | 24. 669 |
| 20. $\sqrt{3}$ | 25. (1, 13), (3, 3) |
| 21. $\frac{25\varphi^2}{3\pi} \sqrt{100 - \left(\frac{5\varphi}{\pi}\right)^2}$ | 26. $\frac{Edh}{He}$ |
| 22. $p = 1, q = 2, r = -3$
or $p = -1, q = -2, r = 3$ | 27. 17 |
| 23. $(7, 7^{7 \cdot 41}), (41, 41^{49})$ | 28. 28 yards |