

Multiple Choice Problems

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

Exact Answer Problems

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|-----------------|---|--|
| 13. 10 | 17. $-2y^2$ | 21. $n = 6$ |
| 14. 60/13 hours | 18. $\left(\cos\left(\frac{\pi}{n}\right)\right)^2 : 1$ | 22. $AF = r \cdot \sqrt{\frac{40}{3} - 2\sqrt{3}}$ |
| 15. 5 | 19. $n = 19^2 = 361$ | $= r \cdot \frac{\sqrt{120 - 18\sqrt{3}}}{3}$ |
| 16. 34/15 | 20. $3 \times 6, 4 \times 4$ | |