

Theta Applications Answers  
Mu Alpha Theta Nationals, 2007

1. B 17
2. C \$3.75
3. A  $5/27$
4. D  $y = \log(x + 17) - 2$
5. C  $4\sqrt{6}$
6. B  $\frac{79}{4}\pi$
7. E 3
8. C 55
9. B 2
10. E "If it is Alton's birthday, then Cole plays football."
11. C  $600\pi$
12. A. Row 14
13. D Sixteen minutes, ten seconds
14. B 1260
15. B  $80 + 24\pi$
16. B  $\sqrt{5}$
17. C  $\frac{21}{52}$
18. C Day 99
19. B Alpha
20. B 1445
21. A  $450_{11}$
22. D 24
23. C 6
24. C Five minutes
25. D 9
26. D 300
27. A 112
28. A  $50\pi\sqrt{3}$
29. B \$6
30. A 1.5