

Answer Key

Math 1272 Spring 2003 Final Exam

Multiple Choice Problems

1. C
2. C
3. B
4. C
5. D

6. B
7. B
8. B
9. E
10. E

11. A
12. C
13. D
14. D
15. A

Written Answer Problems

16. -2
17. $x \cdot (\ln x)^2 - 2x \cdot \ln x + 2x + C$
18. $x - y - 2z = -8$
19. 60π
20.
 - a) $y = -x + 4$
 - b) curve is a circle of radius $\sqrt{2}$,
so the enclosed area is 2π
21. sequence approaches the limit $\tan^{-1}(1) = \pi/4$
22. see solution set for proofs