

Advanced Functions - Review for Final Exam: Packet # 1 (Released Items)
Answer Section

MULTIPLE CHOICE

- | | |
|------|-------|
| 1. B | 40. C |
| 2. C | 41. A |
| 3. B | 42. B |
| 4. B | 43. D |
| 5. C | 44. D |
| 6. A | 45. B |
| 7. A | 46. A |
| 8. B | 47. C |
| 9. C | |

10. D

11. C

12. B

13. B

14. C

15. C

16. A

17. A

18. D

19. D

20. A

21. B

22. A

23. A

24. D

25. C

26. A

27. B

28. B

29. B

30. B

31. A

32. A

33. A

34. B

35. B

36. C

37. A

38. A

39. D

SHORT ANSWER

48. a.) $y = 68.4858(1.0742)^x$
 b.) city and number of hours playing games is growing since base b is greater than 1 ($b = 1.0742$)
 c.) represents approximate initial amount of people playing video games in the city
49. a.) Attend class regularly group has larger mean by 34.37
 b.) Attend class regularly group has larger median by 32.5
50. a.) power function: $y = 0.2578406(x)^{1.955448644}$
 b.) when $x = 9$ then $y = 18.9375383078$ or approximately 18.9