

Answers to Math 103

Practice Final Exams

1. $x=5/2$	11. $1/4$
2. \$147,140.97	12. $(-1,-4); (-3,0) \& (1, 0); (0,-3)$; graph
3. 2 cups sugar	13. $3/5; 39/50; 3/5; 9/19$
4. 6.68%	14. 743.54; population of bass in lake after 12 months is ~ 744
5. 186.6; at age 20, cholesterol level is 186.6	15. \$65,873.50; \$27,473.50
6. $(2,0); (0,-4); m=2$; graph	16. \$1,065.15; \$47,727
7. ≤ 1280 miles	17. 77 mg chol in quarter pounder & 122 mg chol in whopper
8. $3^5 = 243$ ways	18. mode = 3 ; med = 3 ; mean = 2.68 ; st. dev. = 1.2
9. scatter plot, positive linear correlation	19. $35/136 \sim 0.26; 21/136 \sim 0.154$
10. 9 teams	20. 180.17; 180.17 million cell phone subscribers in 2004