Answers to Math 103
Practice Final Exams

1. $x = 5/2$

2. $147,140.97

3. 2 cups sugar

4. 6.68%

5. 186.6; at age 20, cholesterol level is 186.6

6. (2,0); (0,-4); m=2; graph

7. 1280 miles

8. ways

9. scatter plot, positive linear correlation

10. 9 teams

11. 1/4

12. (-1,-4); (-3,0) & (1, 0); (0,-3); graph

13. 3/5; 39/50; 3/5; 9/19

14. 743.54; population of bass in lake after 12 months is ~ 744

15. $65,873.50; $27,473.50

16. $1,065.15; $47,727

17. 77 mg chol in quarter pounder & 122 mg chol in whopper

18. mode = 3 ; med = 3 ; mean = 2.68 ; st. dev. = 1.2

19. 35/136 ~ 0.26; 21/136 ~ 0.154

20. 180.17; 180.17 million cell phone subscribers in 2004