 Int 3 MA Sem. 1 RFF #5 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Group:\_\_\_\_

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| 1. Three cans of soda and two bags of chips cost $5.35. Two cans of soda and four bags of chips cost $6.90. What is the cost of the chips? | 2. Put in graphing form. | 3. Write an equation of an exponential function that  passes through the points  (1, 16) and (3, 10.24). |
| 4. Solve | 5. Sketch | 6. Sketch |
| 7. Sketch | 8. Sketch | 9. Sketch |
| 10. Find the domain of | 11. Sketch . Find the domain and x-int. | 12. Given 1 4 5 9 7 10. Find the interquartile range. |

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| 13. Height is normally distributed. If the average man is 68 inches with a standard deviation of 4 inches, what is the probability you randomly choose a man taller than 65 inches? | 14. Solve | 15. Height is normally distributed. If the average man is 68 inches with a standard deviation of 4 inches, what is the height of a man representing the 70th percentile? |
| 16. Solve | 17. Solve | 18. What is f(g(x)) if  and |
| 19. How many distinct 4 digit ID numbers can be given? | 20. How many different ways can three person committees be selected from 8 people? | 21. How many different ways can ways can first, second and third places in a race of 10 people? |
| 22. How many solutions does ABC have if a = 15 b = 11 and angle A = 35o | 23. Find c if b= 10, a= 8 and C=85o in ABC. | 24. Given ABC, find b when a=30, A=32o and C=18o |