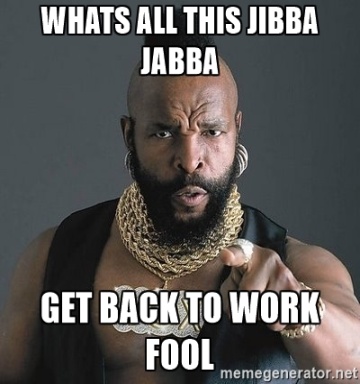
**Name Job 7 Relations and Functions**

**Part 1: Textbook**

Textbook Lesson 3-1 Page 92: 5, 8, 13, 14, 18, 19

**Part 2: Algebra Regents Questions –**

1. Kyonnah wants to watch a varsity basketball game and found out that spectators must buy a ticket at the door. The cost of an adult ticket is $4.00 and the cost of a student ticket is $2.00. If the number of adult tickets sold is represented by a and the student tickets sold by s, which expression is represented the amount of money collected at the door from the ticket sales?

1) 6.00as

2) 6(a + s)

3) (4a)(2s)

4) 4a + 2s

2. Help Ashantae draw the graph of the equation

3. Help Josiah draw the graph of the equation

5. A function is defined as . Paul is asked to create one more ordered pair for the function. Which ordered pair can he add to the set to keep it a function?

1. (2) (3) (4)

6. Axavion says is a function. Naya says it is not a function. Who is correct? Explain your answer.

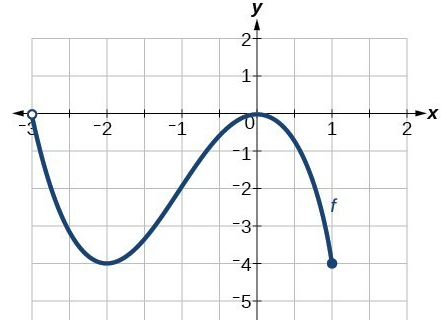
7. Azariah paid $600 for a new guitar. Her guitar cost $40 more than twice the cost of her friend’s guitar. How much did her friend’s guitar cost?

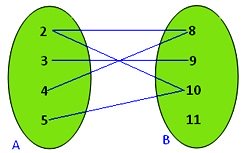
8. Kerwin wants to join a gym. He found out that membership for the Alpine rock – climbing gym costs $25 per month plus a 125 sign up fee. Membership for Rocco’s Rock climbing gym costs 30 per month plus a 50 sign up fee.

1. After how many months will the membership cost the same?
2. If you only want a one year membership, which gym would you choose and why?

9. State the Domain and Range of the following:

a) (- 4, 5), (-3, 3), (6, -2), (-4, -2)

b) 

c) [](http://www.google.com/url?sa=i&rct=j&q=&esrc=s&source=images&cd=&cad=rja&uact=8&ved=0ahUKEwiCyObHx5XQAhWLz4MKHZ8oBMMQjRwIBw&url=http://www.math-only-math.com/domain-and-range-of-a-relation.html&bvm=bv.137904068,d.amc&psig=AFQjCNFSM5sXBNNEQSESfSHUvun9lGgQxQ&ust=1478570780648392)