Directions: Answer the following questions to the best of your ability. Show all work. :)

1. Given the following list of numbers:
   
   13  21  36  70  37  4  1
   
   a. Circle any prime numbers.
   b. Put a square around any square numbers.
   c. On the lines below, explain how did you determine the prime numbers.

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2. There were 24 students in one class. One day, $\frac{1}{3}$ of them wore sneakers. How many students wore sneakers?

   Answer __________

3. Divide 1,648 by 8. Show your work.

   Answer __________
4. Jack bought 4 DVDs. Each DVD costs $20, including tax. He has a coupon for $5 off the total cost. Jack gave the cashier a $100 bill. How much change will Jack get back?

Answer ______________

5. Mr. Ahmed's art class made a large rectangular mural. The length of the mural is 8 feet. The width of the mural is 9 feet.
   a. What is the area of the mural? Show your work.
      (Hint: Area=Length x Width)

Answer ______________

b. What is the perimeter of the mural? Show your work.
   (Hint: Perimeter is the distance around the shape)

Answer ______________
ANSWER KEY

1. Prime numbers: 13 & 37. Square numbers: 1, 4, 36. Prime numbers have only two factors; one and itself.
2. 8 students wore sneakers.
3. 206
4. Jack received $25 back.
5. Area: 72 sq.ft, Perimeter: 34ft