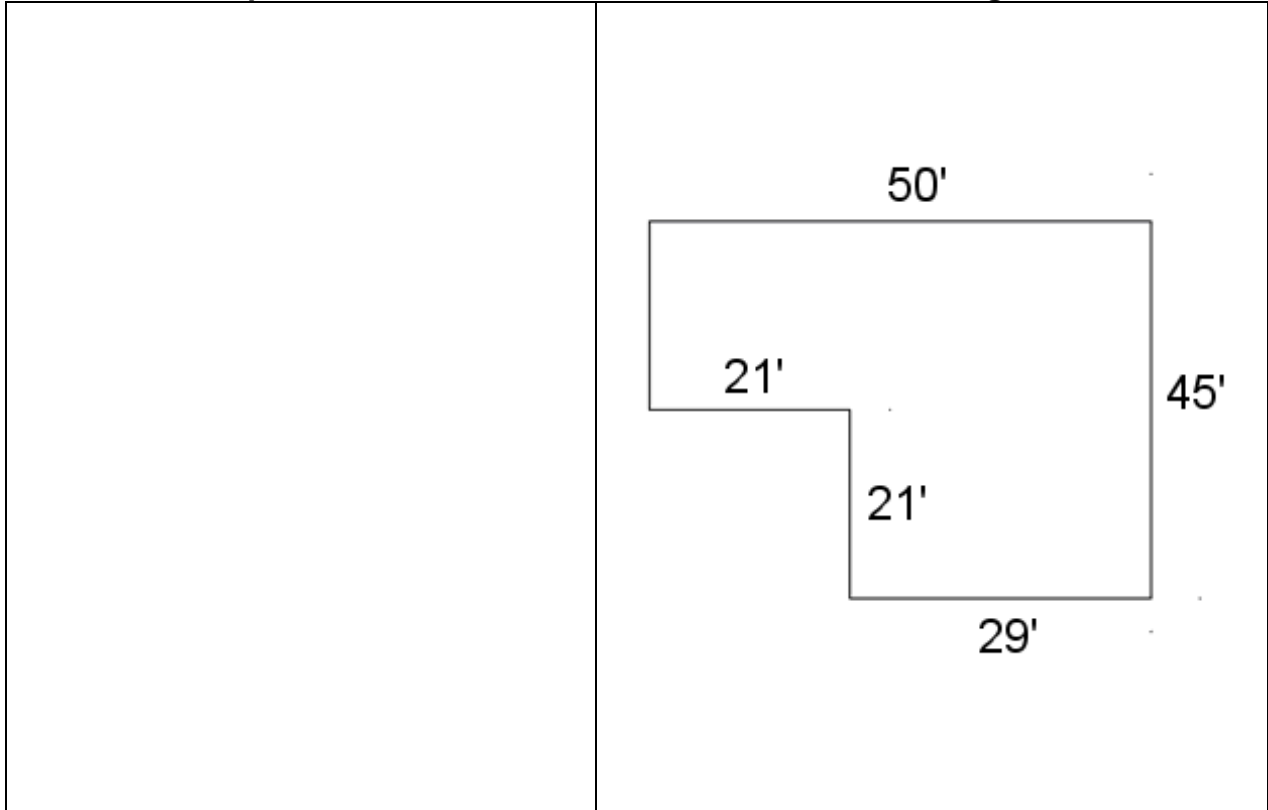


Name: _____ Date: _____

1. Compute the area in square feet and the perimeter in feet of the fenced area below. Our old exercise area was 1500 square feet and had 160 feet of fence. What is the percent increase in the exercise area and the length of fence?



2. Robert needs to outfit multiple conference rooms for the annual meeting at the association's national office in Columbus Ohio. He buys 82 tables and 656 chairs. The tables cost \$319 each and the chairs cost \$198 each. The sales tax in the capital is $6\frac{3}{4}\%$. What is the total cost of the purchase?

Blank area for the solution to problem 2.

3. If Michelle, the Sales representative receives a $6\frac{7}{8}\%$ sales commission on the order of tables and chairs, how much money will she make on the sale?

4. Michelle tells Robert that she wants 42% down payment and the balance paid upon delivery. What are the amounts of the two checks Robert will request from the accounting department?

5. Upon delivery of the chairs and tables, Robert discovers that $8\frac{1}{2}\%$ of the chairs have wobbly legs and deformed legs. He needs to send them back. How many boxes does he need to request? If the delivery van can hold 12 chairs for each trip to the factory, how many trips will need to be made?

6. Michelle's company will give your organization a 15% rebate off the entire order for the trouble with the chairs. Recalculate the total cost of the order and tax and determine the amount of money that will be returned to you.

7. On the day of the conference, we had expected 640 people in attendance. However, we have 108% of the expected number in attendance. How many extra chairs do we need? If we have smaller tables that accommodate six people, how many tables do we need?

8. The conference lasts for ten hours. There is a one-hour lunch scheduled and two 20-minute breaks. There are 15 speakers on various topics. How many minutes will each speaker get to make their presentation and answer questions if they get 5.56% of the conference time to present?

9. If the conference starts at 7 am and finishes at 6 pm, what percent was the conference in overtime?

10. Robert's boss requests that he conduct a survey of 8% of the attendees. He will prepare the survey and send it by email. How many emails will Robert send to sample the group?

11. Next year, we plan to have 925 people at the conference. What will be the percent increase at the next meeting?