MATH 01 - Arithmetic, Sec. B04-45391

Third test. Time allowed: one hour. Professor Luis Fernández

NAME:____

INSTRUCTIONS: Solve the following 23 exercises. Each is worth 5 points. You must show all your work in order to receive any credit. This includes all sums, long divisions, etc.

1. How much is 20% of 100?

2. How much is 41% of 30?

3. What percent of 20 is 5?

4. What percent of 25 is 3?

5. 20% of what number is 10?

6. 12% of what number is 15?

- 7. An ice cream factory makes 70 quarts of ice cream in 2 hours. How many quarts could be made in 12 hours?
- 8. Peter bought 8 toy cars for \$96. How much do 10 cars cost?

9. In the following triangles, $\angle A = \angle A'$, $\angle B = \angle B'$, and $\angle C = \angle C'$. Given the lengths in the picture, find the value of x.



10. Find the perimeter of the following figure.



11. Find the area of the following figure.



- 12. The length of the hypotenuse of a right triangle is 15 inches, and the length of one of the legs is 12 inches. Find the length of the other leg.
- **13.** Evaluate 3x + 4 when x = 2.