Math 5b, homework 23.


1. There are 1380 books in a library, and $15 \%$ of them are math textbooks. How many math textbooks are there in the library?
2. After Christmas, 1380 the price of the Christmas tree ornaments was reduced by $40 \%$ and became 7 dollars. What was the price of the ornaments before Christmas?
3. The price of the wrapping paper was reduced right after Christmas and then again by the same percentage a week later. The total reduction in price now is $51 \%$. By what percentage was the price reduced each time?
4. Find the missing length of the side of right triangles below:

5. $x$ is a natural number.

Among following statements 3 are true and 2 are false.
a. $2 \cdot x$ is greater than 70
b. $x$ is less than 100
c. $3 \cdot x$ is greater than 25
d. $x$ is not less than 10
e. $x$ is greater than 5

What is $x$ ?
6. Find the area of the shaded part of the square (hint: area of a triangle).




