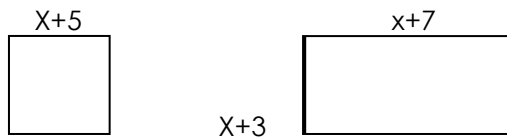**Seminar Question #43**   **Monday, February 9, 2015**

```
Find all the values of x that make 0.1x + 0.25(102 − x) < 17.10 true.
```
SHOW EVIDENCE!

Seminar Question #44   **Tuesday, February 10, 2015**

For what values of x will the square and the rectangle have the same perimeter?

X+5   x+7

X+3   **Show your work!**

Seminar Question #45   **Wednesday, February 11, 2015**

The manager at *Onora and Elle's Ice Cream Company* estimates that the cost C (in dollars) of producing n quarts of ice cream in a given week is given by the equation C = 560 + 1.20n.
   a. During one week, the total cost of making ice cream was $1070. How many quarts were made that week?
   b. Explain the meanings of the "560" and the "1.20" in the cost equation.

DO NOT ERASE YOUR WORK – IT IS YOUR PROOF!!!

Seminar Question #46   **Thursday, February 12, 2015**

The diagram represents a cross-section of an object. All the lines of the figure meet at right angles. The dimensions are marked in the drawing in terms of x.
Write simple formulas in terms of x for each of the following:
   (a) the volume of the solid;
   (b) the surface area you would have to cover in order to paint this solid;
   (c) the length of decorative cord you would need if you wanted to outline all the edges of this solid.