Math 4

## Classwork #24

## **Congruency of triangles:**

Two triangles are congruent if their points may be matched in a way that preserves distances.

**1.** Find which triangles on the picture are congruent.



Two triangles are equal when all three their sides are equal

**2.** Show that all three triangles are congruent. Find points matching points  $A_1$  through **E**<sub>1</sub>.



## Distributive property with squares and crossproducts:

**3.** Remove parenthesis:



**4.** Plot images of the shapes using the lines of symmetry:









Intersections of a straight line and a family of concentric circles

**5**. Plot the circles. Analyze their intersections with the line *m*.



**6**. Plot the circles. Analyze their intersections with the circle *m*.

