MTH 1210, FALL 2013
DR. GRAHAM-SQUIRE

SECTIONS 6.5 AND 6.6: IN CLASS ACTIVITY

1. Names

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2. Instructions

Read the problem given below, then work on it with the other members of your group. You should give a complete answer with all of your work shown for each question. It is fine for different people to work on different parts of the question, but you should check each other's work since everyone in the group will receive the same grade for the assignment. If you have any questions, ask the other members of your group first. If all of you are stuck, everyone in the group must raise their hand in order to get help from the professor. Attach this as a cover sheet to the work you turn in.

Exercise 1. Find the value(s) of x in the diagram on the back side. There may be more than one possible value of x, or x may not exist at all. If there is more than one answer, find all answers and explain why there are multiple answers. If there is no solution, explain why. _Note: the diagram is not necessarily to scale. Thus you cannot assume, for example, that an angle is obtuse just because an angle looks obtuse in the diagram, or a right angle just because it looks like a right triangle, or a line is straight just because it looks straight. All you can assume is that there are two triangles, one on top of the other, and they share one side._