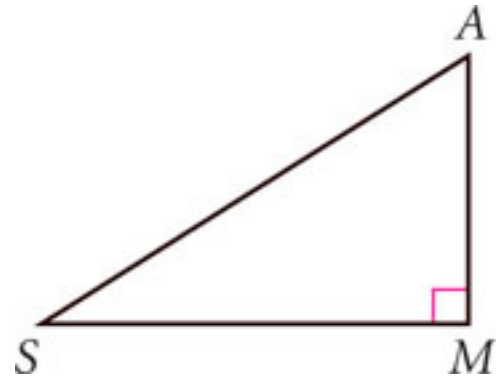## Geometry HW 9/28, due 9/30
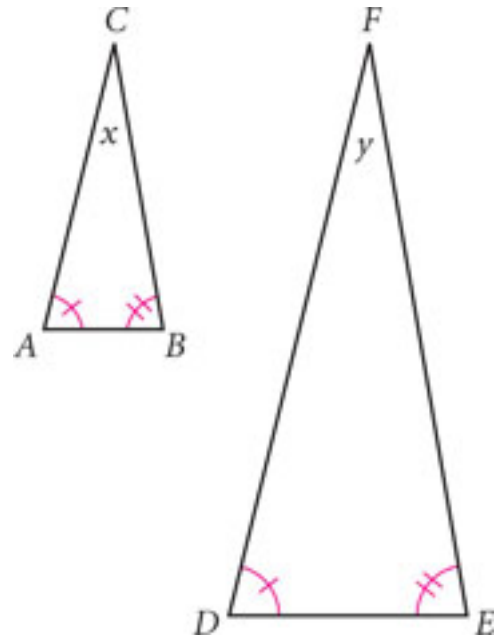
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14. DEVELOPING PROOF In △MAS to the right, ∠M is a right angle. Let's call the two acute angles, ∠A and ∠S, "wrong angles." Write a paragraph proof or use algebra to show that "two wrongs make a right," at least for angles in a right triangle.

17. DEVELOPING PROOF Use the Triangle Sum Conjecture and the figures at right to write a paragraph proof explaining why the Third Angle Conjecture is true.
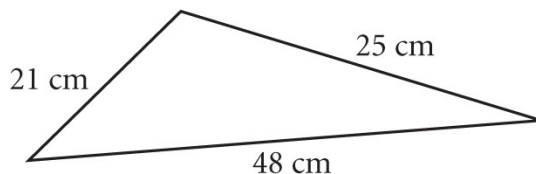
THIRD ANGLE CONJECTURE: If two angles of one triangle are equal in measure to two angles of another triangle, then the third angles of the triangles are also equal in measure.

18. DEVELOPING PROOF Write a paragraph proof, or use algebra, to explain why each angle of an equiangular triangle measures 60°.

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8. DEVELOPING PROOF What's wrong with this picture? Explain.

25 cm
21 cm
48 cm

9. DEVELOPING PROOF What's wrong with this picture? Explain.

130°
125°
b
a