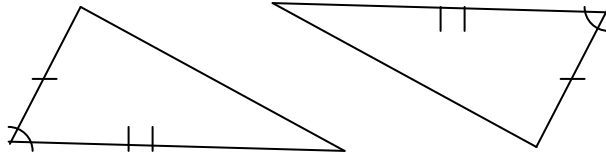**Partial credit is based on work shown!**

3pts

1. Is the following pair of triangles congruent? _____   Justify your answer.
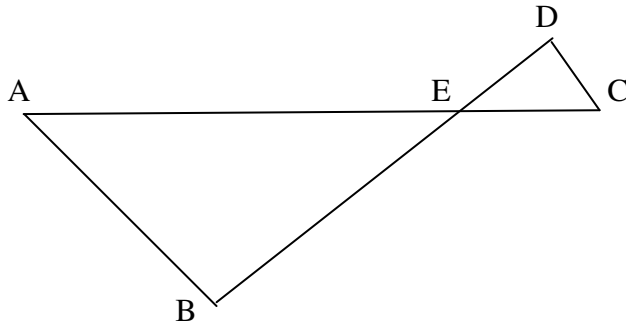

2pts

2. Which of the following are <u>not</u> sufficient to prove that triangles are congruent?

        SAS, ASA, SSA, SSS, AAA   _____

6pts

3. a. In the following figure, AC = 25, CE = 5, DE = 3, and BE = 12. (All measurements are cm.)
    Justify why triangles ABE and CDE are similar triangles.

    b. If CD = 2.6 centimeters then find the length of AB. Set up a proportion and show your work.

4pts

4. True or False. If false, tell why it is false.

_____ All equilateral triangles are similar.

_____ All rectangles are similar.