

Math 206 - Quiz 8

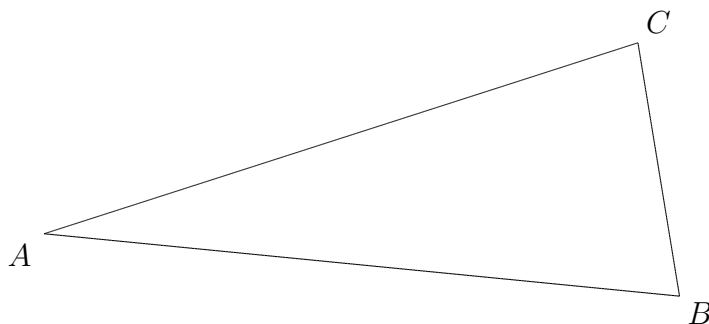
November 10, 2010

Name _____

Score _____

Show all work to receive full credit. Supply explanations when necessary.

1. (1.5 points) Use a compass and straightedge to construct a triangle congruent to the one given below.



- (1 point) Show, by attempting the construction, that a triangle cannot have sides of lengths 4 in, 8 in, and 3 in.
- (1 point) Use only a compass and straightedge to construct an angle that measures 60° . (Hint: What kind of triangle has three 60° angles?)

4. (1.5 points) Use only a compass and a straightedge to construct an angle whose measure is twice that of the angle shown below. Then use your protractor to measure the new angle.

