## Math 10270 : Quiz 1

1. (10 points) Describe how to bisect an angle using a straight-edge and compass. Your description should be easy to follow, unambiguous, and include clear illustrations.
2. (10 points) Find the missing side length $x$ and the missing angles $\alpha$ and $\beta$ in the triangle shown. Explain your reasoning carefully and clearly state any theorems used.
