



Albert and Belle are part of a scientific team studying thunderclouds. The team is about to launch a weather balloon into an active part of the cloud. Albert's rope is 7.8 m long and makes an angle of 36° with the ground. Belle's rope is 5.9 m long.

- a) Is it necessary to consider the ambiguous case? Explain.
- b) Sketch all possible diagrams for this situation. (I GIVE THIS TO YOU. YOU'RE WELCOME.)
- c) Determine all possible the **distances** between Albert and Belle to the nearest tenth of a meter.

