GPS PreCalculus – Daily Check 6-4 Name_____

Applications

1. Fred, Barney and Wilma are camping in their tents. If the distance between Fred and Barney is 153 feet, the distance between Fred and Wilma is 201 feet, and the distance between Barney and Wilma is 175 feet, find each angle of the triangle formed.

2. Two park rangers are standing in towers that are 9 miles apart. They both spot a fire in the forest. The angle at Tower A formed by the lines of sight to Tower B and the fire is $60°$. The angle at Tower B formed by the lines of sight to Tower A and the fire is $42°$. How far is Tower A from the fire?