

Lab Assignment #24

This lab is due at 12:30 PM on Monday, 12/9, and is worth 10 points. This part may be done individually, or in a group of 2, 3, or 4 people.

- 1) A right triangle has legs 19.8 m and 42.9 m. Find the angles and third side. Draw a picture.
- 2) A right triangle has leg 743 cm and hypotenuse 933 cm. Find the angles and third side. Draw a picture.
- 3) You are 74 feet from a tree. From your position, the angle of elevation to the top of the tree is 28° . How tall is the tree?
- 4) An antenna 364 feet tall is held in place by several wires that each have an angle of elevation of 43° . Find the length of each wire.
- 5) A triangle has sides 70° , 60° , and 50° . The longest side is 96 meters. Find the other two sides. Draw a picture please.
- 6) A triangle has sides 120° , 40° , and 20° . The shortest side is 74 inches. Find the other two sides. Draw a picture please.
- 7) Solve this triangle.

