

Lab Assignment #21

This lab is due at 12:30 PM on Wednesday, 11/27 and is worth 10 points. This part may be done individually, or in a group of 2, 3, or 4 people.

1) Draw a triangle with these angles. Draw to scale. Use the next page as needed.

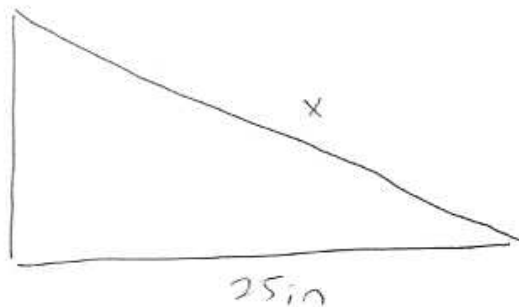
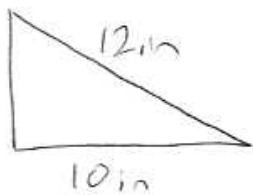
- a) $60^\circ, 60^\circ, 60^\circ$
- b) $40^\circ, 60^\circ, 80^\circ$
- c) $90^\circ, 20^\circ, 70^\circ$
- d) $90^\circ, 45^\circ, 45^\circ$
- e) $120^\circ, 30^\circ, 30^\circ$
- f) $140^\circ, 30^\circ, 10^\circ$

2) Two angle in a triangle are given. Find the third.

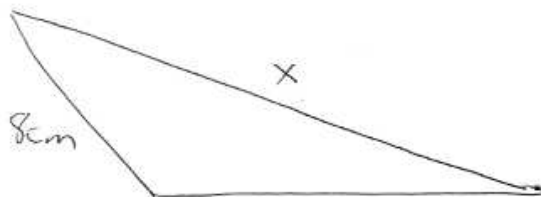
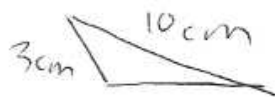
- a) $90^\circ, 35^\circ$
- b) $110^\circ, 20^\circ$
- c) $20^\circ, 40^\circ$
- d) $65^\circ, 68^\circ$

3) Find x . Assume the triangles are similar.

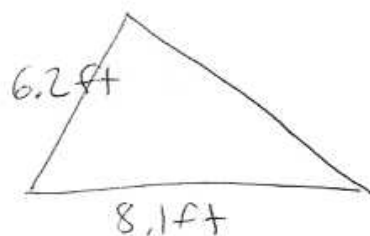
a)



b)

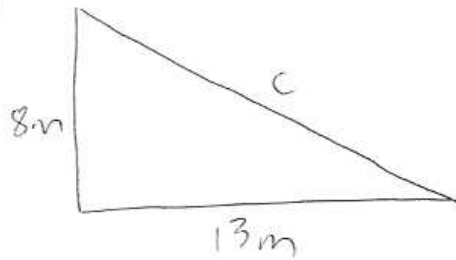


c)

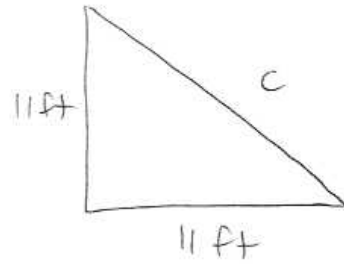


4) Find the unknown

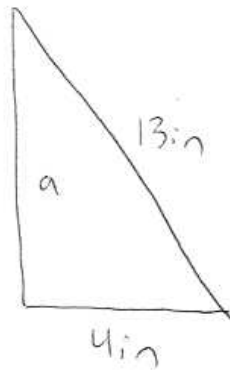
a)



b)



c)



d)

