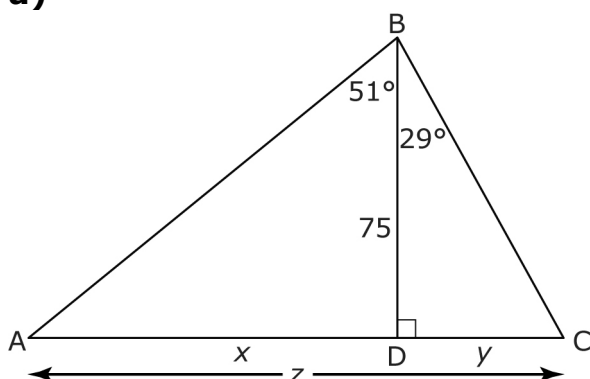


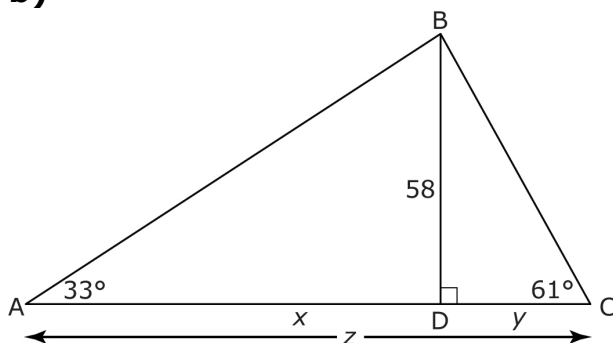
Section 7.3 Extra Practice

1. For each diagram, determine the lengths of x , y , and z to the nearest whole unit.

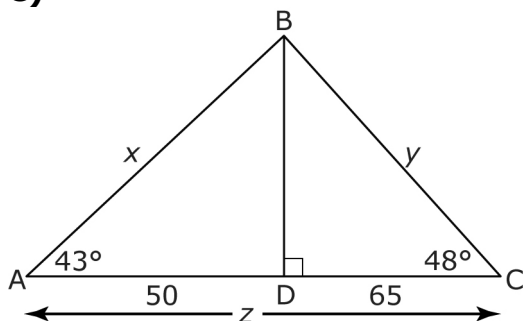
a)



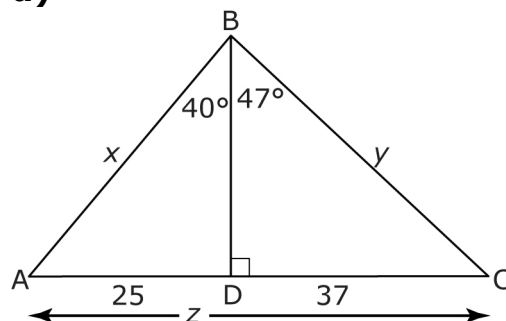
b)



c)

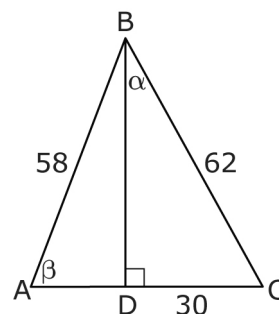


d)

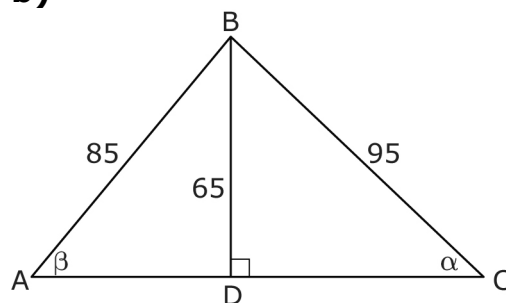


2. For each diagram, determine the angle measures of α and β , to the nearest degree.

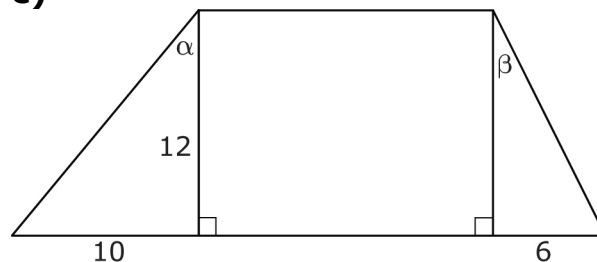
a)



b)



c)



Name: _____

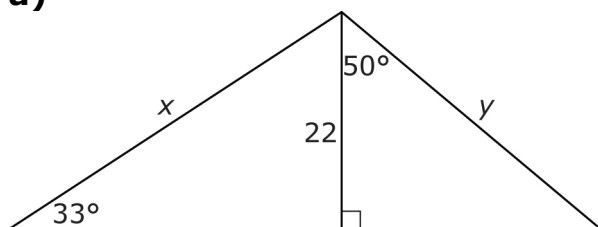
Date: _____

BLM 7-5

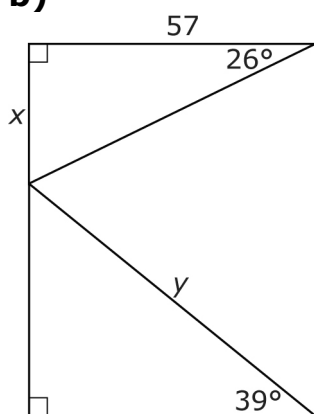
(continued)

- 3.** For each diagram, determine the lengths of sides x and y to the nearest whole unit.

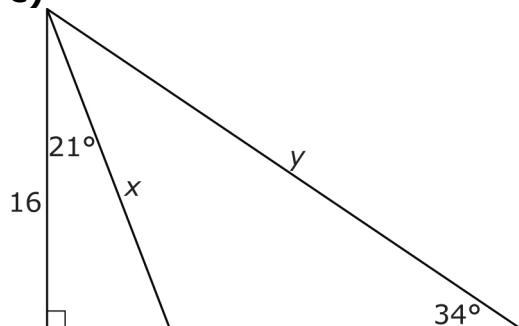
a)



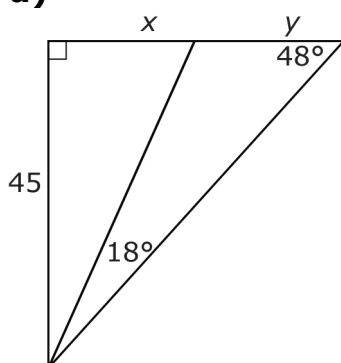
b)



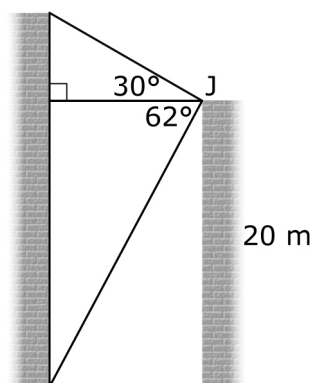
c)



d)



- 4.** Jessie stands on the roof of a building with height 20 m using a clinometer. She measures the angle of elevation to the top of a taller building nearby. She then measures the angle of depression to the bottom of the taller building. Approximately how tall is the building nearby, to the nearest metre?



- 5.** An engineer sights two ships from an oil rig which is 225 m above sea level. One ship is due east with an angle of depression measuring 32° . The other ship is due west with an angle of depression measuring 48° .

a) Sketch the scenario.

b) Determine the distance between the two ships, to the nearest metre.

