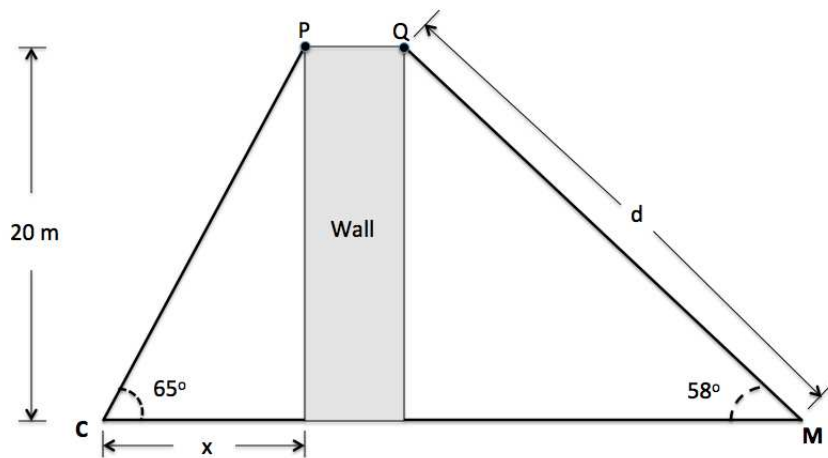


3. [6 points] Casey and Milan are standing at different sides of a 20 meter high wall, at the points C and M respectively. They measured the angles determined by the points P, C, M and Q, M, C and found that they were 65° and 58° respectively (see the figure below).



- i) Find the distance d between the points M and Q . Your answer needs to be exact or rounded up to the nearest .01. Show all your work.

$$d = \underline{\hspace{2cm}}$$

- ii) Find the distance x between Casey's position and the wall. Your answer needs to be exact or rounded up to the nearest .01. Show all your work.

$$x = \underline{\hspace{2cm}}$$