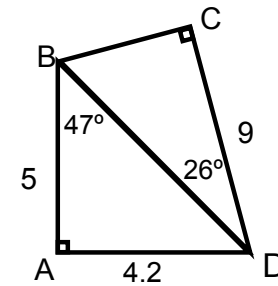
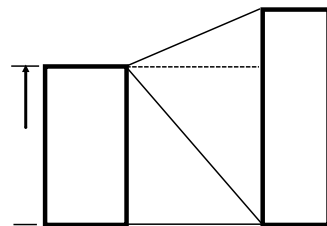


2.7 Problem Solving

ex. Calculate \overline{CD} to the nearest tenth.



ex. The angle of elevation from the top of one building to the top of an adjacent building is 20° . The angle of depression from the top of that same building to the base of that same adjacent building is 40° . If the measurements are taken from a height of 20 m above the ground, how high is the adjacent building?



ex. The Eiffel tower measures 324 m tall. From a point to the south of the tower, Kolya measures the angle of elevation to the top to be 70° . From a point to the west of the tower, his brother Macéo measures the angle of elevation to the top to be 60° . How far apart are the brothers?

