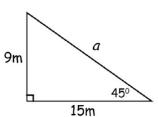
Please show your work. If necessary, round to the nearest tenth.

1. Each pair of triangles are similar. Calculate the indicated lengths.

a)

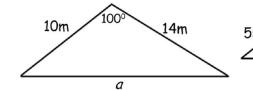




10m

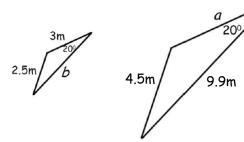
a = _____

b)



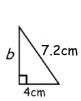
a =

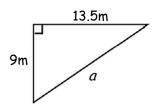
c)



a =

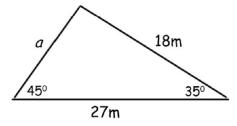
e)





a = _____

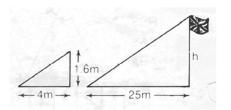
f)



b 11m 12.6m

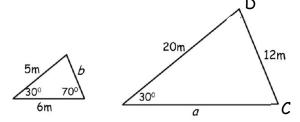
a = _____

2. A flagpole casts a shadow 25 m long. If a woman who is 1.6 m tall casts a shadow 4 m long at the same time and at the same location, how tall is the flagpole?

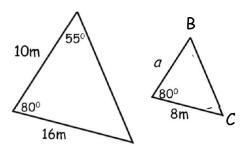


3. Each pair of triangles are similar. Calculate the indicated lengths and angles.

a)

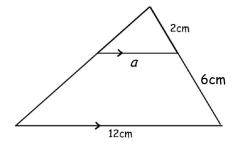


b)



4. Calculate the indicated lengths.

a)



b)

