

(C) Fred wants to find the height of the tallest building in his city. He stands 169 feet away from the building. There is a tree 31 feet in front of him, which he knows is 22 feet tall. How tall is the building? (Round to the nearest foot.)





For problems (e) and (f), you must draw your own (e)

A telephone pole 10 meters tall casts a shadow 8 meters long at the same time that a tree nearby casts a shadow 14 meters long. How tall is the tree?

(On a sunny day, Bill wants to find the height of a tree. He walks 25 feet along the shadow that the tree casts until his shadow ends at the same point as the tree's shadow. Bill is 6 feet tall and the length of his shadow is 9 feet. How many inches tall is the tree?