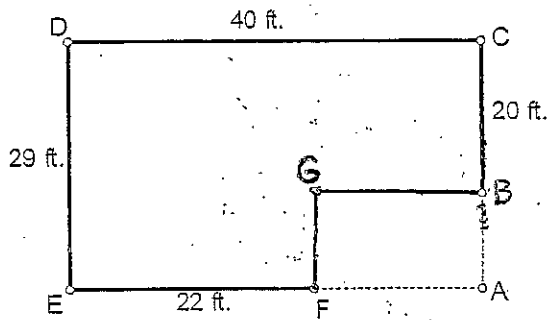


Shaded Areas

1. Dog Leash Problem - The garage at Juan's house is outlined by polygon BCDEFG, and the adjacent yard is fenced along segments AB and AF. Juan tied his dog Ginger at point H which is 12 ft. from point B on segment GB. The leash on his dog is 15 ft. There is a small door for Ginger to go inside the garage at point G. Ginger has also dug a hole to get under the fence at point B. Shade and find the total area which Ginger can reach. Show your work to explain your reasoning.



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