

Consider the following situation: Cathy is at a county fair and is participating in "The Height Game". To play, the booth owner attempts to guess a participant's height. If the owner's guess is no more than 2 inches from the actual height, the owner wins the participant's money. Otherwise, the participant wins a prize.

If Cathy's height is 66 inches, graph the range of values that the owner could guess (g) in order to win Cathy's money.