

Project 3

Name _____

Name _____

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A parcel delivery service has the following rule regarding package dimensions. The length can be no more than 108 inches, and the length plus the girth (girth is the distance around the box, that is, up one side, across the top, down the other side, then across the bottom) can be no more than 130 inches. If the width of the package is 4 inches more than its height and it has the maximum girth, find the length that produces maximum volume.