Subject: Great link - and there's always Dr. Math
Posted by Duncan McBride on Mon, 03 May 2004 12:30:20 GMT
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Here's a link to the best discussion I could find. I plugged the formula at the end into an Excel worksheet and came up with about 100 degrees for the angle where the sides meet. That's just what I came up with when I custom-fit the sides into the top and bottom. I imagine if I could end up with perfectly mitered edges and beveled front edges, the horn could be assembled by placing all the pieces in a pyramid and a little piece of tape on each edge would hold it perfectly until the glue dried. Right. My reality-based approach involves deck screws and wood filler.
http://mathforum.org/library/drmath/view/61296.html