

Quiz# 6

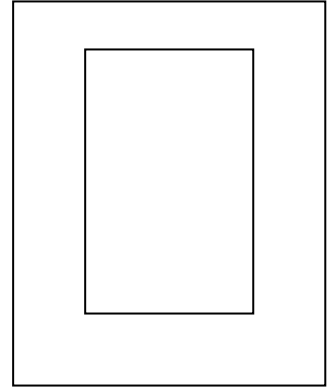
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A page of a book is to have an area of 90 inches², with 1-inch margins at the bottom and sides and a $\frac{1}{2}$ -inch margin at the top. Find the dimensions of the page that will allow the largest printed area.



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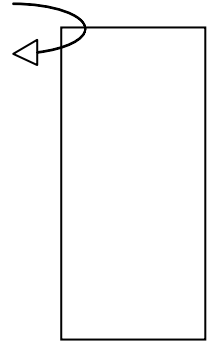
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A right circular cylinder is generated by rotating a rectangle of perimeter p about one of its sides. What dimensions of rectangle will generate the cylinder of largest volume?



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