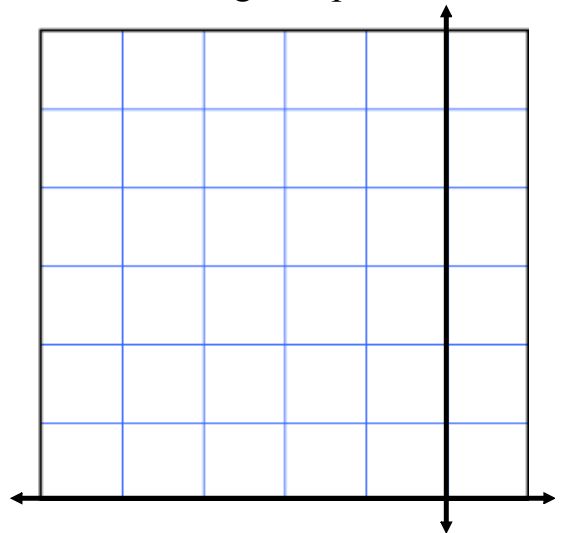# Calculus AB

3-7

Optimization Problems

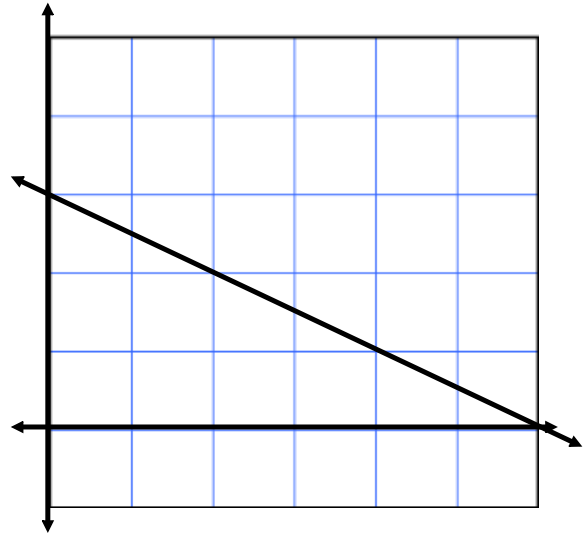Find two positive numbers that satisfy the given requirements. (pg 223)

  4) The product is 192 and the sum is a minimum.

Find the point on the graph of the function that is closest to the given point.

  13) $f(x) = (x - 1)^2$ (-5, 3)

26) A rectangle is bounded by the *x*- and *y*- axes and the graph of $y = \dfrac{(6 - x)}{2}$. What length and width should the rectangle have so that its area is a maximum?

Assignments: Pg. 223

Day 1
 3-25 odd

Day 2
 29, 33, 34, 35, 43,
 45, 47, 49, 54

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