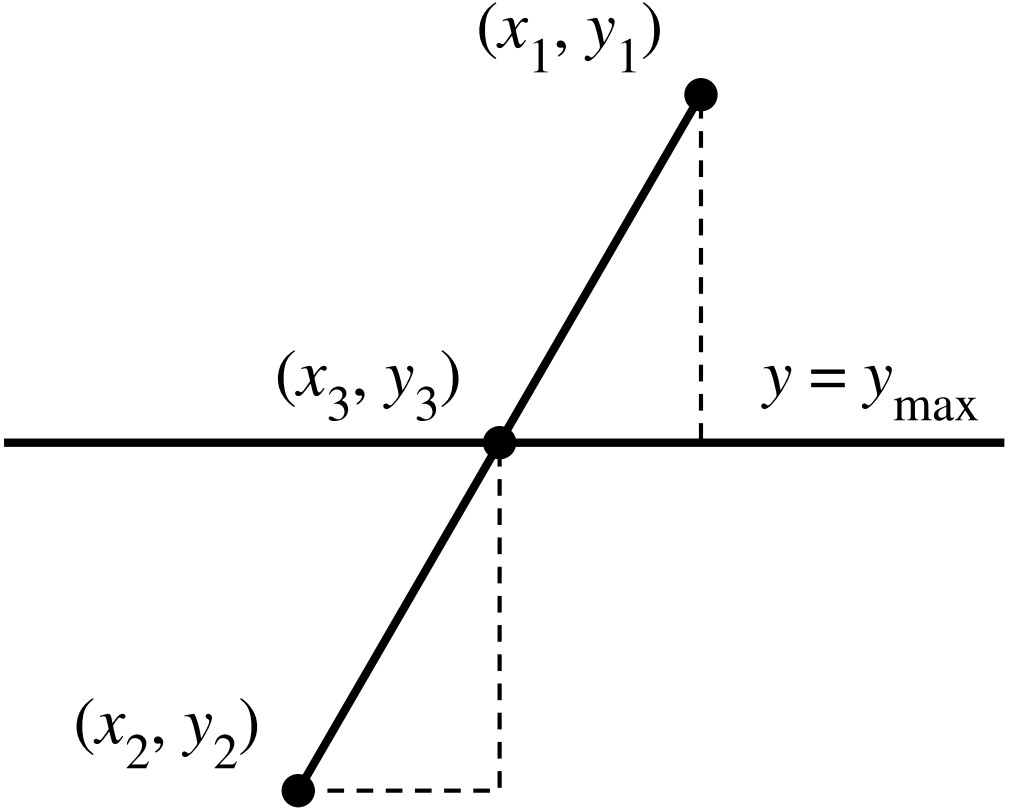
$(x_1, y_1)$
$(x_3, y_3)$
$y = y_{\max}$
$(x_2, y_2)$