

Math 251 Workshop Problems, Spring 2009, Week 5

From the point $(1,0)$, you can draw tangent lines to the parabola $y = x^2 - 2x + 2$. How many such tangent lines are there, and where are the points of tangency? Graph the parabola and the tangent lines.

Math 251 Workshop Problems, Spring 2009, Week 5

From the point $(1,0)$, you can draw tangent lines to the parabola $y = x^2 - 2x - 2$. How many such tangent lines are there, and where are the points of tangency? Graph the parabola and the tangent lines.