UB 2.1 (4300704)

Question



2. Question Details

LarCalc9 2.1.008.MI. [1341662]

LarCalc9 2.1.017. [1047688]

Find the slope of the tangent line to the graph of the function at the given point.

$$g(x) = 5 - x^2;$$
 (1, 4)

3. Question Details

Find the derivative by the limit process.

$$f(x) = x^2 + x - 1$$

 $f'(x) =$







Question Details LarCalc9 2.1.033. [11970
Find an equation of the line that is tangent to the graph of <i>f</i> and parallel to the given line.
Function Line $f(x) = x^2$ $10x - y + 25 = 0$
STEP 1 : Find $f(x)$ using the limit definition of the derivative.
f'(x) =
STEP 2: Find the slope <i>m</i> of the given line. m =
STEP 3 : Equate $f'(x)$ with the slope and solve for x . x =
STEP 4 : Find the corresponding <u>y value by</u> substituting x into $f(x)$. At the point $(x, y) = ($) the tangent line of $f(x)$ is parallel to $10x - y + 25 = 0$.
STEP 5: Use the results of Step 2 and Step 4 with the point-slope formula to find the equation of the line.
<i>y</i> =
Question Details LarCalc9 2.1.034. [11977

Find an equation of the line that is tangent to the graph of f and parallel to the given line.

Function Line $f(x) = 2x^2$ 2x - y + 5 = 0y =

Assignment Details

Name (AID): UB 2.1 (4300704) Submissions Allowed: 5 Category: Homework Code: Locked: No Author: Goldsworthy, William (bgoldsworthy@soroschool.org) Last Saved: Jul 10, 2013 11:05 AM EDT Permission: Protected Randomization: Person Which graded: Last **Feedback Settings** Before due date **Question Score** Assignment Score Publish Essay Scores **Question Part Score** Mark Add Practice Button Help/Hints Response Save Work After due date **Question Score** Assignment Score Publish Essay Scores Key **Question Part Score** Solution Mark Add Practice Button Help/Hints Response