Pretest

1. What is the derivative at a point on a curve?

A: The derivative is the slope at that point on the curve.

1. Derive the function f(x) = 2cos*x*

Answer: http://www4b.wolframalpha.com/Calculate/MSP/MSP1861a17aciad26a46id00005b28cif67eci3bch?MSPStoreType=image/gif&s=17&w=162&h=36

1. Derive the function y = (2*x* – 1)3

Answer: http://www4b.wolframalpha.com/Calculate/MSP/MSP30061a17a96839ich2e100005i2i010dgfbie6e1?MSPStoreType=image/gif&s=31&w=183&h=36

1. Derive the function f(x) = 5x3 + 4x2 + x + 17

Answer: http://www3.wolframalpha.com/Calculate/MSP/MSP19981a17aab0b7030294000048hbg3g895fc4962?MSPStoreType=image/gif&s=3&w=269&h=36

1. Derive the function y= sinx + 7cosx + (14x-4+x)4

Answer: http://www3.wolframalpha.com/Calculate/MSP/MSP88431a179h29c8hhh9940000637i1fb63e92fec8?MSPStoreType=image/gif&s=21&w=470&h=36