

Math 1431

Section 16679

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Questions

Section 2.1 - The Derivative

Find the derivative of $f(x) = \sqrt{x+3}$ using the definition of the derivative.

Popper 03

- 1 Find the slope of the tangent line to $f(x) = \sqrt{x+3}$ at $x = 1$.

Popper 03

- 2 Find the EQUATION of the normal line to $f(x) = \sqrt{x+3}$ at $x = 1$.

Popper 03

- ③ Find the derivative of $f(x) = 2x^2 + x + 1$ using the definition of the derivative.

Test 1 Review

Limits:

When does a limit exist at a point?

Test 1 Review

Limits:

Definition of limit:

Test 1 Review

Limits:

Be able to determine limits from a graph or given a function.

Test 1 Review

Continuity :

What are the three things we need to prove continuity at a point?

Test 1 Review

IVT:

What does it say? What are the conditions we need?

Test 1 Review

Definition of derivative:

Test 1 Review

Problems from review sheet: