

Sols

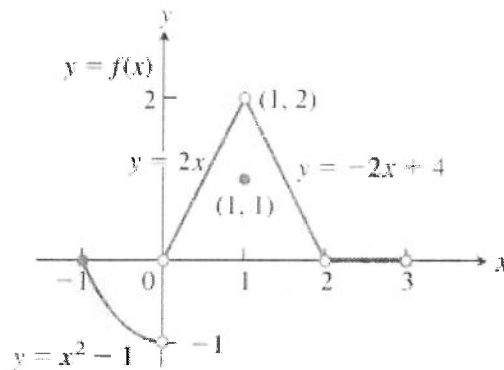
MATH 141: QUIZ 3

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Name and Section: \_\_\_\_\_

No phone or calculator. You must show all work to receive full credit. Simplify your coefficients when applicable.

1. (1 point each, continued on back) Use the graph of the function below to answer the following questions:



- (a) Find  $\lim_{x \rightarrow 0^+} f(x)$

0

- (b) Find  $\lim_{x \rightarrow 1} f(x)$

2

- (c) Find  $\lim_{x \rightarrow 3^-} f(x)$

0

- (d) Find  $\lim_{x \rightarrow 3} f(x)$

DNE

(c) Find  $f(1)$ 

1

(f) True or False:  $f(x)$  is continuous at  $x = 0$ .

FALSE

(g) True or False:  $f(x)$  is left-continuous at  $x = 1$ .FALSE  $\lim_{x \rightarrow 1^-} f(x) \neq f(1)$ (h) True or False:  $f(x)$  is right-continuous at  $x = -1$ .

TRUE

2. (2 points) What is your favorite recipe?

Peach Cobbler

1 stick butter

1 cup milk

1 cup self-rising flour

1 cup sugar

1 cup fruit, chopped  
(can substitute apples,  
blueberries, etc.)Preheat oven to  $380^\circ\text{F}$ .

Melt butter in square glass baking dish.

In small bowl, combine flour &amp; sugar.

Slowly add milk &amp; stir until there are no clumps. Pour in dish with melted butter. Add fruit, working from outside of the dish to the middle.

Bake at  $380^\circ$  until golden & a toothpick comes out clean.