

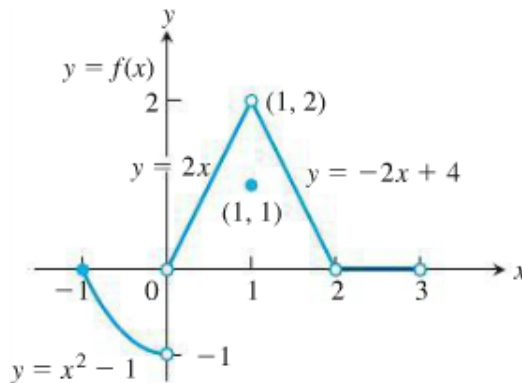
## MATH 141: QUIZ 3

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

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

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

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

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(e) Find  $f(1)$

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

(g) True or False:  $f(x)$  is left-continuous at  $x = 1$ .

(h) True or False:  $f(x)$  is right-continuous at  $x = -1$ .

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