

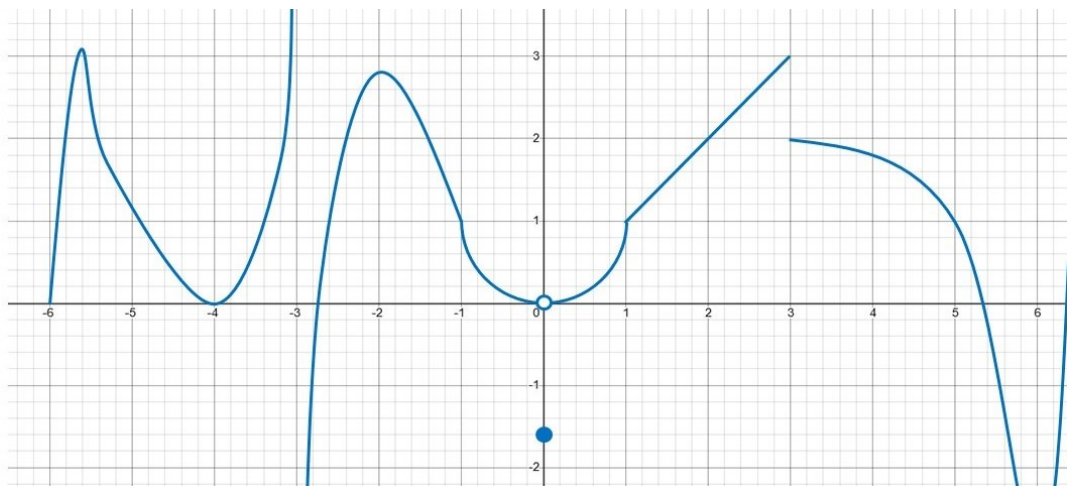
Remember to show all of your work.

**Problem 1.** Determine the following limits, or write DNE:

(a) (2 points)  $\lim_{x \rightarrow 5} \frac{1}{x - 5}$

(b) (2 points)  $\lim_{x \rightarrow 1} \frac{4}{(x - 1)^2}$

**Problem 2.** Use the graph below to determine the following limits, or write DNE. Assume lines off the graph go to  $\infty$  or  $-\infty$ . (1 point each):



(a)  $\lim_{x \rightarrow -4}$

(b)  $\lim_{x \rightarrow -3}$

(c)  $\lim_{x \rightarrow 0}$

(d)  $\lim_{x \rightarrow 1}$

(e)  $\lim_{x \rightarrow 3}$

(f)  $\lim_{x \rightarrow 6}$