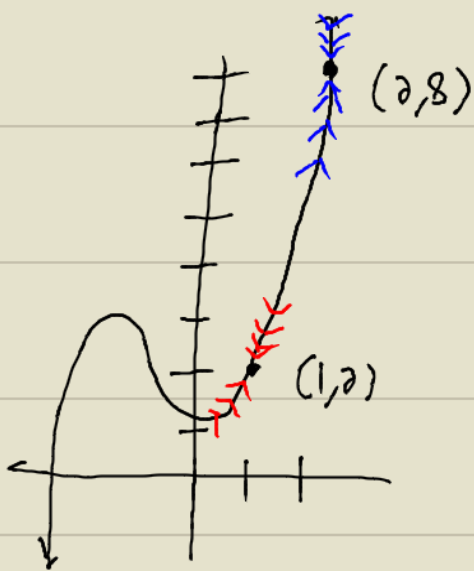


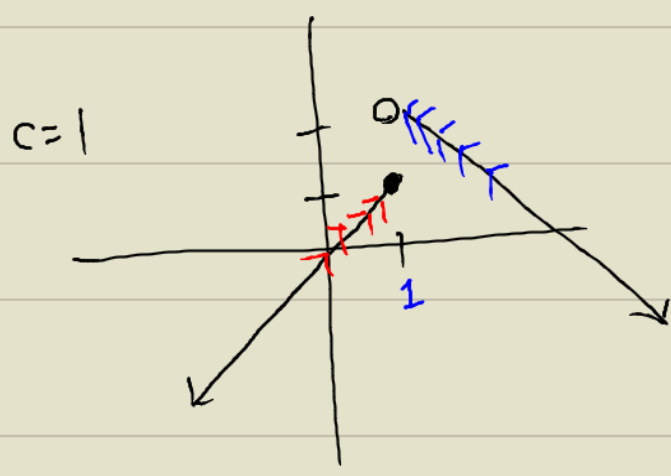
5.



a) $\lim_{x \rightarrow 1} f(x) = 2$

b) $\lim_{x \rightarrow 1} f(x) = 8$

6.



a) $\lim_{x \rightarrow c^+} f(x)$
 $= \lim_{x \rightarrow 1^+} f(x) = 2$ (RIGHT HAND SIDE)

b) $\lim_{x \rightarrow c^-} f(x)$
 $= \lim_{x \rightarrow 1^-} f(x) = 1$ (LEFT HAND SIDE)

c) $\lim_{x \rightarrow c} f(x)$
 $= \lim_{x \rightarrow 1} f(x)$
 $= \text{DOES NOT EXIST (DNE)}$