Unit 2 Worksheet 2
AP Calculus AB
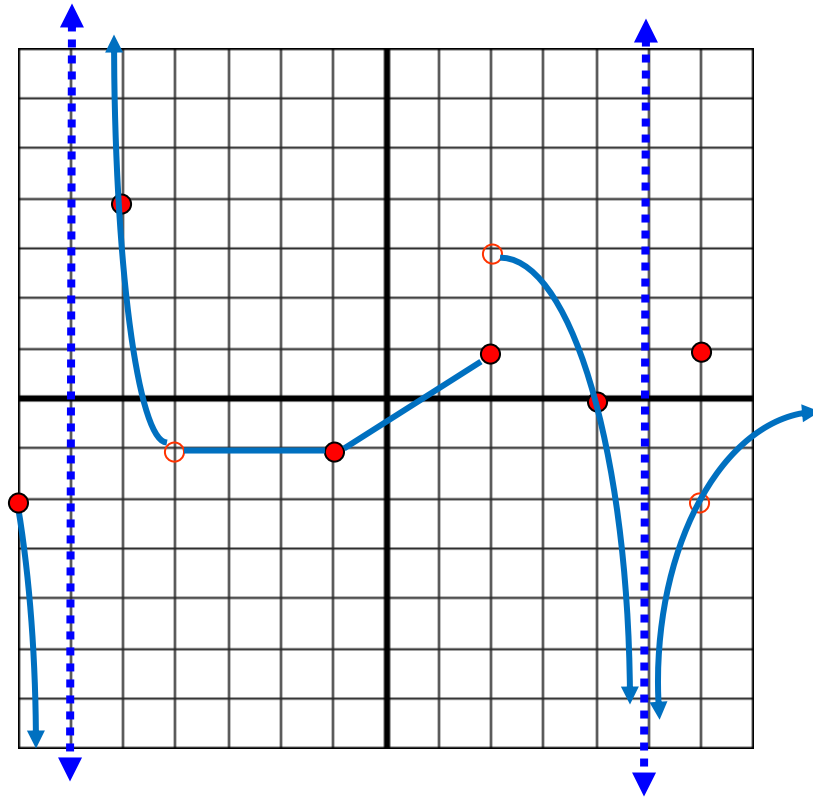
1. $\lim\limits_{x\to-6^-} f(x) = $ **$-\infty$** $\quad \lim\limits_{x\to-6^+} f(x) = $ **∞** $\qquad \lim\limits_{x\to-6} f(x) = $ **DNE** $\quad$ f (-6) = **No Solution**

2. $\lim\limits_{x\to-4^-} f(x) = $ **-1** $\qquad \lim\limits_{x\to-4^+} f(x) = $ **-1** $\qquad \lim\limits_{x\to-4} f(x) = $ **-1** $\qquad$ f (-4) = **No Solution**

3. $\lim\limits_{x\to-1^-} f(x) = $ **-1** $\qquad \lim\limits_{x\to-1^+} f(x) = $ **-1** $\qquad \lim\limits_{x\to-1} f(x) = $ **-1** $\qquad$ f (-1) = **-1**

4. $\lim\limits_{x\to 2^-} f(x) = $ **1** $\qquad \lim\limits_{x\to 2^+} f(x) = $ **3** $\qquad \lim\limits_{x\to 2} f(x) = $ **DNE** $\quad$ f (2) = **1**

5. $\lim\limits_{x\to 5^-} f(x) = $ **$-\infty$** $\quad \lim\limits_{x\to 5^+} f(x) = $ **$-\infty$** $\qquad \lim\limits_{x\to 5} f(x) = $ **$-\infty$** $\quad$ f (5) = **No Solution**

Name all values of x for which the function does not have a limit: **x = -6, 2**