Compute these limits $\lim\limits_{x \to a^-} f(x)$, $\lim\limits_{x \to a^+} f(x)$, and $\lim\limits_{x \to a} f(x)$ at the indicated value, a, for each of these functions.

1. $a = 1$, $f(x) = \begin{cases} 3x - 4 & \text{if } x \leq 1 \\ 7 - 2x & \text{if } x > 1 \end{cases}$

2. $a = 0$, $f(x) = \begin{cases} x^4 - x + 1, & \text{if } x < 0 \\ x^2 - 4x + 1, & \text{if } x \geq 0 \end{cases}$

3. $a = 0$, $f(x) = \begin{cases} x^4 - x + 1, & \text{if } x < 0 \\ 4, & \text{if } x = 0 \\ x^2 - 4x + 1, & \text{if } x > 0 \end{cases}$

4. $a = -1$, $f(x) = \begin{cases} 3x + 6, & \text{if } x < -1 \\ x^2 - 1, & \text{if } -1 \leq x < 2 \\ 3x^2 - 5x + 1, & \text{if } x \geq 2 \end{cases}$

5. $a = 2$, $f(x) = \begin{cases} 3x + 6, & \text{if } x < -1 \\ x^2 - 1, & \text{if } -1 \leq x < 2 \\ 3x^2 - 5x + 1, & \text{if } x \geq 2 \end{cases}$

6. $a = 1$, $f(x) = \begin{cases} -x + 1, & \text{if } x < 1 \\ \dfrac{2}{1 - x}, & \text{if } x > 1 \end{cases}$

7. $a = 2$, $f(x) = \begin{cases} \dfrac{-1}{x - 2}, & \text{if } x > 2 \\ \dfrac{4}{2 - x}, & \text{if } x < 2 \end{cases}$