Name: _____

CA #2

| For each function identify the type of each discontinuity and where it is located. |

1. $f(x) = \dfrac{x+3}{x^2+4x+3}$

2. $f(x) = \dfrac{x^2}{7x-49}$

3. $f(x) = \sin x$
   for $0 \le x \le 2\pi$

4. $f(x) = \dfrac{x-2}{x^2-7x+10}$

5. $f(x) = \dfrac{x^2-8x+7}{x-7}$

6. $f(x) = \sec\dfrac{x}{2}$
   for $0 \le x \le 2\pi$