11. Sketch a graph of the curve described below.
     See #14 at end study guide

12. Sketch a graph of a possible function that satisfies all of the following
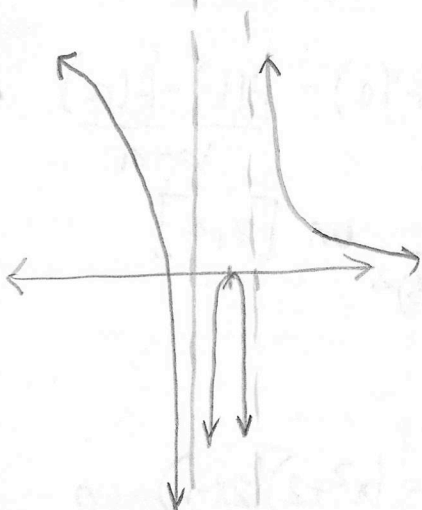   conditions: a) $f(1) = f'(1) = 0$
    b) $\lim\limits_{x \to 2^+} f(x) = \infty$, $\lim\limits_{x \to 2^-} f(x) = -\infty$

    c) $\lim\limits_{x \to 0} f(x) = -\infty$

    d) $\lim\limits_{x \to \infty} f(x) = 0$, $\lim\limits_{x \to -\infty} f(x) = \infty$

    e) $f''(x) > 0$ for $x > 2$, $f''(x) < 0$ for $x < 0$ & for $0 < x < 2$.

13. Sketch a graph of the derivative of each of the following graphs.