

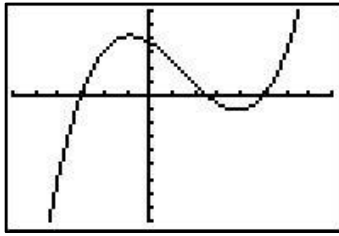
Sketching first derivative and second derivative

Name: _____

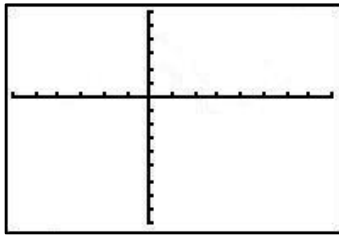
Date: ____/____/____

Pd: _____

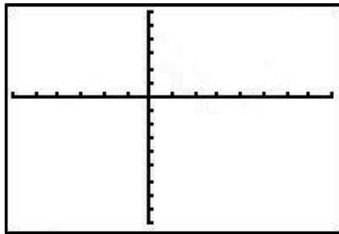
1. $f(x) = .5(x+3)(2x-5)(x-5)$



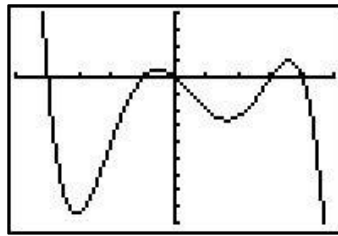
$f'(x)$



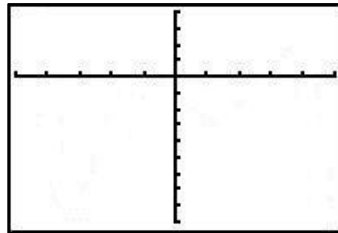
$f''(x)$



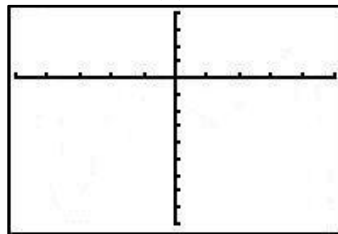
2. $f(x) = \frac{x(x^2-16)(x+1)(x-3)}{-3}$



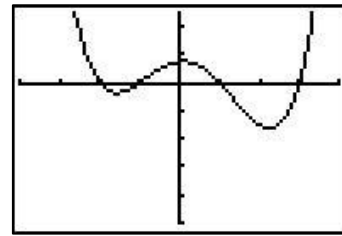
$f'(x)$



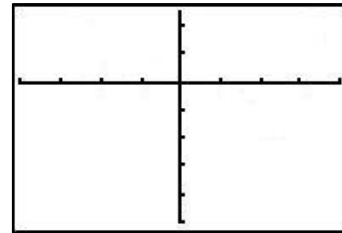
$f''(x)$



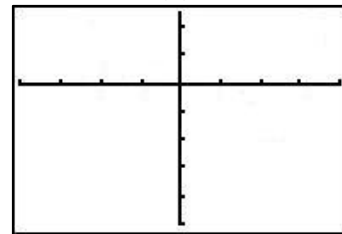
3. $f(x) = \frac{(x^2-1)(x+2)(x-3)}{2}$



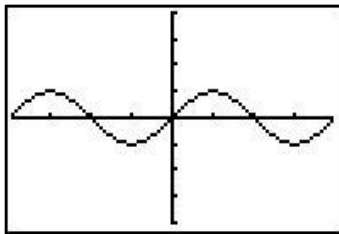
$f'(x)$



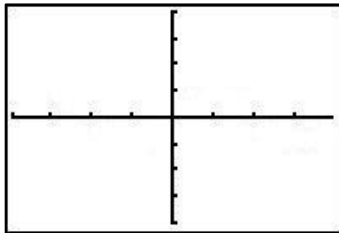
$f''(x)$



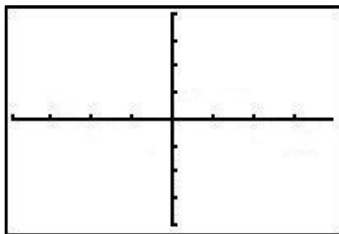
4. $f(x) = \sin x$



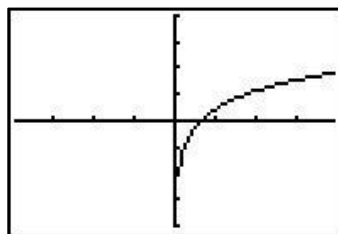
$f'(x)$



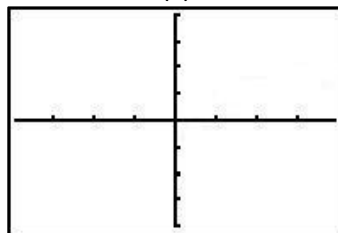
$f''(x)$



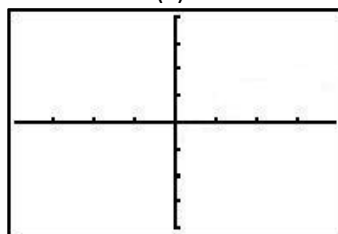
5. $f(x) = \ln(x)$



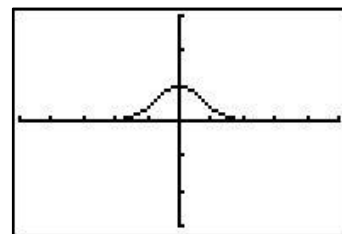
$f'(x)$



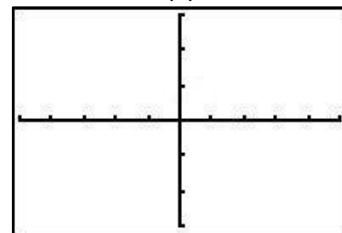
$f''(x)$



6. $f(x) = e^{-x^2}$



$f'(x)$



$f''(x)$

