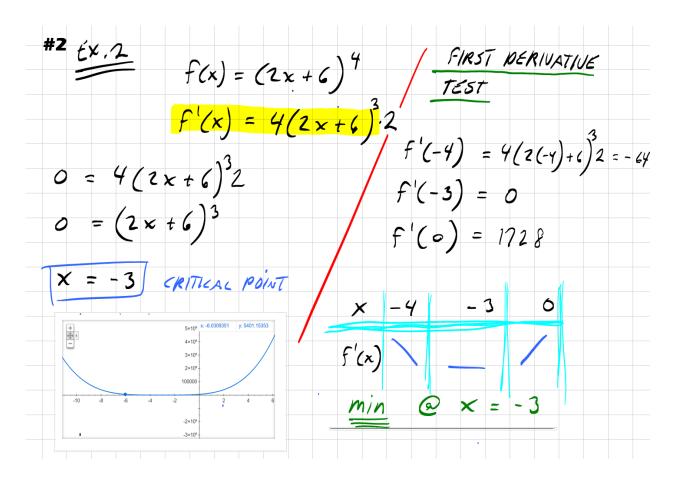
Example solutions:

#1 FIRST DERIVATIVE TEST ANSWERS
$$f(x) = x^3 - 3x^2 - 24x + 2$$
 $f(x) = x^3 - 3x^2 - 24x + 2$
 $f'(x) = 3x^2 - 6x - 24$
 $f'(x) = 3(x^2 - 2x - 8)$
 $f'(x) = 3(x + 2)(x - 4)$
 $f'(x)$



$F(x) = \ln(x^2 + 1)$ $F(x) = 1 + (2x) + (2x)$	FIRST DERIVATIVE TEST
F'(x) = 2x	f'(-1) = -1 $f'(0) = 0$ $f'(1) = 1$
$O = \frac{2x}{(x^2+1)} (RITICAL POINT \times 0)$	-1 0 1
f'(x) Min@x	= 0