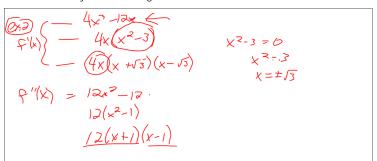


January 30 2013 1st.gwb - 2/3 - Wed Jan 30 2013 08:34:42



$$f(x) = x^{4}$$

$$f(x) = 4x^{3} \rightarrow x = 0$$

$$f'(x) = 12x^{2} \rightarrow x = 0$$

$$f'(x) \leftarrow 0 + 0 + 0$$

$$f'(x) \leftarrow 0 + 0$$

$$f(x) = \chi 4 - 6x^{2} + 10$$

$$f'(x) = 4x^{3} - 16x \rightarrow x^{2} + 2 = 0, 2$$

$$f''(x) = 12x^{2} - 16$$

$$f''(-2) = 32 > 0 \quad |ocal min.$$

$$f''(0) = -16 < 0 \quad |ocal min.$$

$$f''(0) = 32 > 0 \quad |ocal min.$$

$$f(x) = x^{3}$$

$$f'(x) = 3x^{3} \rightarrow cont #: 0 \Rightarrow x$$

$$f''(x) = 6x$$

$$f''(x) = 6x$$

$$f''(x) \leftarrow 0$$

$$f''(x) \leftarrow 0$$

$$f''(x) \leftarrow 0$$

