Trig 3.6

max   min

Find the extrema of a function

critical point (value, numbers)

max/min / infl.
tan horiz / tan vert.

maximum
   (absolute, relative)

minimum
    (absolute, relative)

X-coord

inflection point

extrema (extremum)

Absolute minimum

local min}
rel. min}

Absolute maximum

Relative
maximum

Relative
minimum
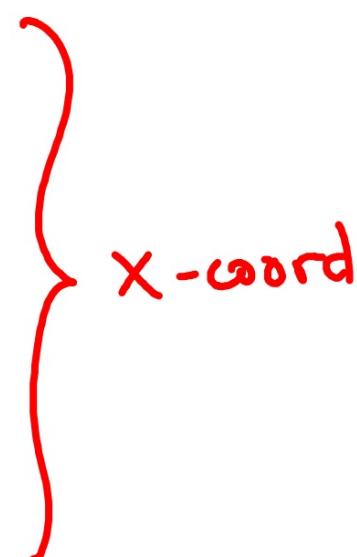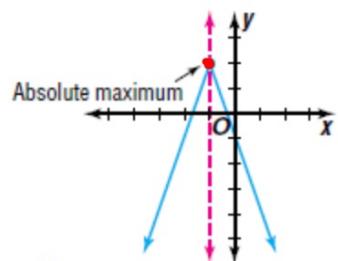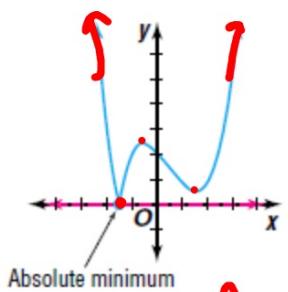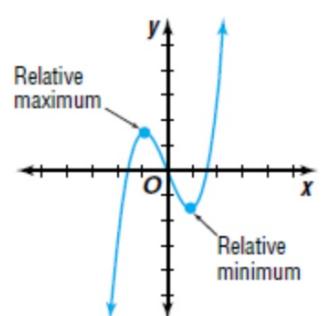
Use a graphing calculator to graph each function and to determine and classify its extrema.

6. $f(x) = 2x^5 - 5x^4$

7. $g(x) = x^4 + 3x^3 - 2$

Table... y-coords.
max/min/abs/rel
inflec pt: only if they ask

Quiz Mon. 3.5-3.6