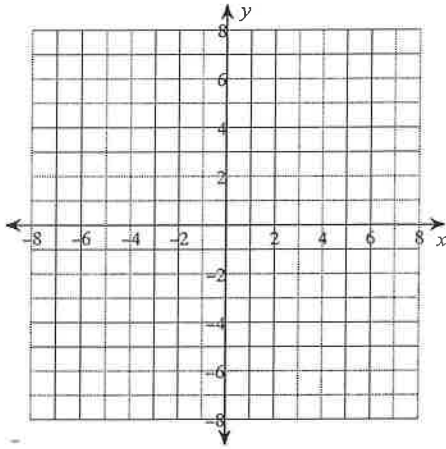


Relative Min/Max (on Calculator)

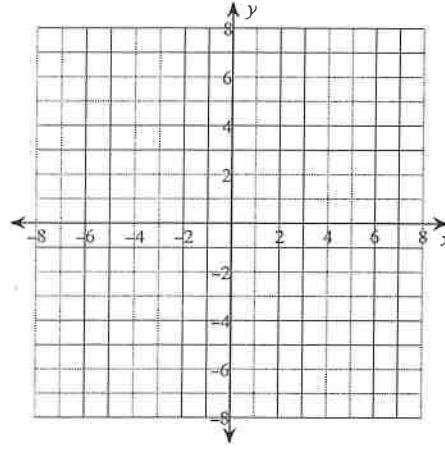
Date _____ Period _____

Sketch the graph of each function. Approximate the relative minima and relative maxima to the nearest tenth.

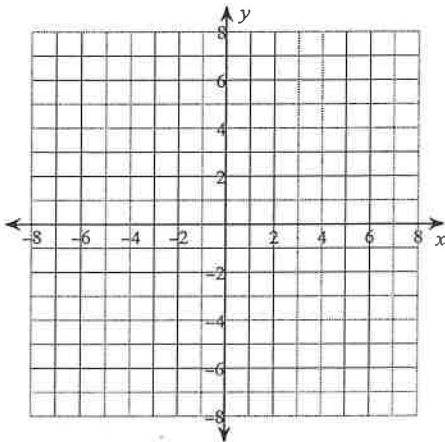
1) $f(x) = x^4 - 4x^2 + 3x + 3$



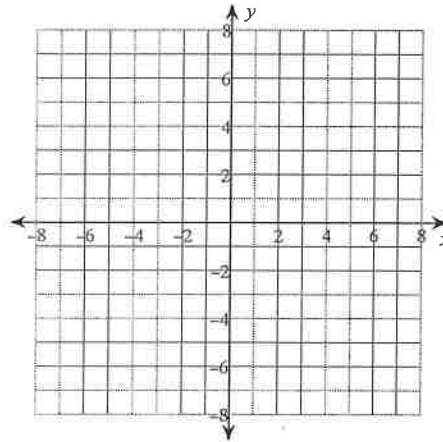
2) $f(x) = x^3 - 3x^2 - 3$



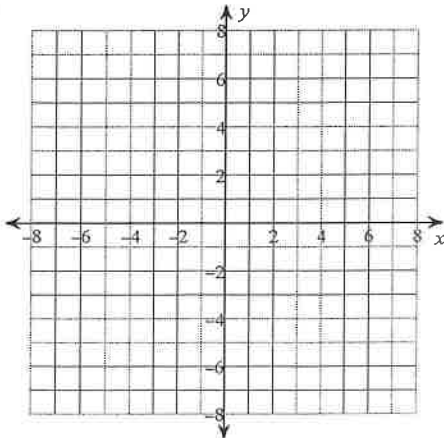
3) $f(x) = x^5 - 2x^3 + x$



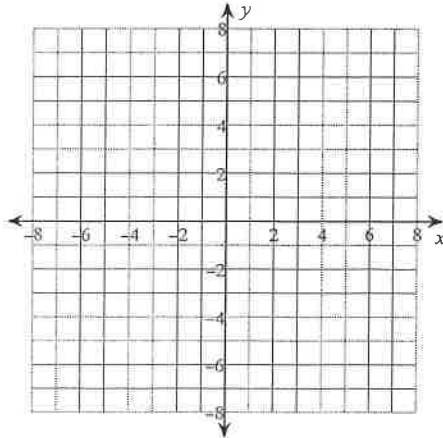
4) $f(x) = -x^5 + 3x^3 + 1$



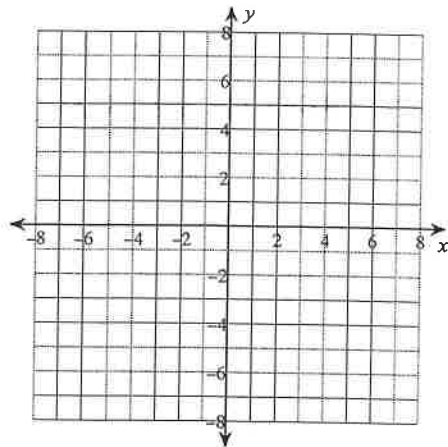
5) $f(x) = -x^3 + x^2 + 4$



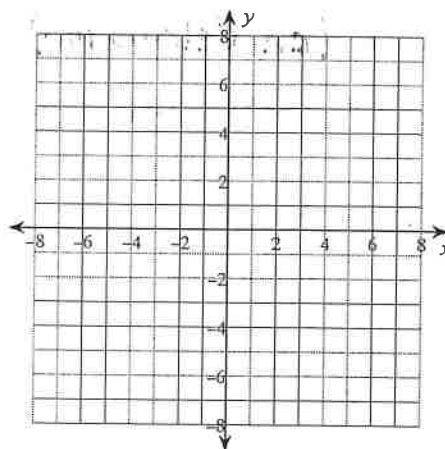
6) $f(x) = x^4 - 4x^2 - 3x + 1$



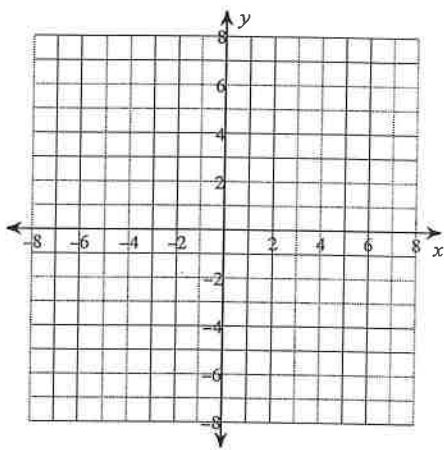
$$7) f(x) = x^5 - 3x^3 + 2x - 1$$



$$8) f(x) = -x^5 + 4x^3 - 4x + 4$$



$$9) f(x) = -x^3 + 2x^2 + 4$$



$$10) f(x) = x^5 - 4x^3 + x$$

