

Spiral - Poly max min x-int, eval, write the eqn from zeros**Find the relative maximum/s, relative minimum/s and the x-intercepts for the following**

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

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

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

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

Evaluate each function.

5) $h(x) = 3x^3 - 3x$; Find $h(2)$

6) $f(n) = n^2 + 4n$; Find $f(-5)$

7) $h(t) = t^3 - 4t^2$; Find $h(-4)$

8) $f(x) = -3x^2 + 2x$; Find $f(6)$

Write a polynomial function of least degree with integral coefficients that has the given zeros. Provide your answer in standard form.

9) $-3, \frac{4}{5}, 1$

10) $\frac{1}{5}, -1, \frac{1}{4}$