

0.4a Calculator: Finding Zeros and Local Min/Max

Period _____

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

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

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

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

4) $f(x) = x^3 + 11x^2 + 40x + 44$

Approximate the real zeros of each function to the nearest tenth.

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

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

7) $f(x) = -x^2 - 8x - 10$

8) $f(x) = 2x^2 - 16x + 31$